| PAM ID NUMBER | PARTNER NAME | TITLE/PURPOSE | EXECUTION DATE | EXPIRATION DATE | TYPE OF AGREEMENT | TOTAL ESTIMATED DOLLAR VALUE FOR CENTER AGREEMENT | CENTER TRACKING NUMBER |
|------------------|---------------------------|---|-------------------|--------------------|----------------------|---|---------------------------|
| 1 33089 | Bell Textron, Inc | Annex to Hybrid-Electric System Integration, Development and Testing Activities | 1/15/2020 | 8/8/2024 | Non-Reimbursable | \$789,472 AFRC | |
| 2 33088 | The Boeing Company | Grand Challenge Vehicle Provider Information Exchange Annex | 2/28/2020 | 2/28/2025 | Non-Reimbursable | \$789,472 AFRC | |
| 3 33087 | The Boeing Company | Participation in the NASA UAM Grand Challenge | 2/28/2020 | 2/28/2025 | Non-Reimbursable | \$0 AFRC | |
| 4 33085 | Zeva, Inc (dba Zeva Aero) | Grand Challenge Vehicle Provider Information Exchange Annex | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$789,472 AFRC | |
| 5 33084 | Zeva, Inc (dba Zeva Aero) | Participation in the NASA UAM Grand Challenge | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$0 AFRC | |

| 6 33081 | The University of North Texas | Grand Challenge - Development Test Airspace Annex | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$678,932 AFRC | |
|----------|-------------------------------|---|----------|----------|------------------|----------------|--|
| 7 33080 | The University of North Texas | Participation in the NASA UAM Grand Challenge | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$0 AFRC | |
| 8 33079 | Uber Technologies, Inc | Grand Challenge - Development Test Airspace Annex | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$678,932 AFRC | |
| 9 33078 | Uber Technologies, Inc | Participation in the NASA UAM Grand Challenge | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$0 AFRC | |
| 10 33076 | Prodentity, LLC | Grand Challenge Vehicle Provider Information Exchange Annex | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$789,472 AFRC | |
| 11 33075 | Prodentity, LLC | Participation in the NASA UAM Grand Challenge | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$0 AFRC | |

| 12 | 33073 | OneSky Systems Inc | Grand Challenge - Development Test Airspace Annex | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$678,932 | AFRC | |
|----|-------|----------------------|---|----------|----------|------------------|-----------|------|--|
| 13 | 33072 | OneSky Systems Inc | Participation in the NASA UAM Grand Challenge | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$0 | AFRC | |
| 14 | 33065 | NFT, Inc | Grand Challenge Vehicle Provider Information Exchange Annex | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$789,472 | AFRC | |
| 15 | 33064 | NFT, Inc | Participation in the NASA UAM Grand Challenge | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$0 | AFRC | |
| 16 | 33063 | Metron Aviation, Inc | Grand Challenge - Development Test Airspace Annex | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$678,932 | AFRC | |
| 17 | 33062 | Metron Aviation, Inc | Participation in the NASA UAM Grand Challenge | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$0 | AFRC | |

| 18 | 33059 | GeoRq | Grand Challenge - Development Test Airspace Annex | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$678,932 | AFRC |
|----|-------|--------------------|---|----------|----------|------------------|-----------|------|
| 19 | 33058 | GeoRq | Participation in the NASA UAM Grand Challenge | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$0 | AFRC |
| 20 | 33057 | Ellis & Associates | Grand Challenge - Development Test Airspace Annex | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$678,932 | AFRC |
| 21 | 33056 | Ellis & Associates | Participation in the NASA UAM Grand Challenge | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$0 | AFRC |
| 22 | 33055 | Avision, Inc | Grand Challenge - Development Test Airspace Annex | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$678,932 | AFRC |
| 23 | 33054 | Avision, Inc | Participation in the NASA UAM Grand Challenge | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$0 | AFRC |

| 24 33039 | ARINC | Grand Challenge - Development Test Airspace Annex | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$678,932 AFRC | |
|----------|------------------------|---|----------|----------|------------------|----------------|--|
| 25 33038 | ARINC | Participation in the NASA UAM Grand Challenge | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$0 AFRC | |
| 26 33037 | ANRA TECHNOLOGIES, LLC | Grand Challenge - Development Test Airspace Annex | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$678,932 AFRC | |
| 27 33036 | ANRA TECHNOLOGIES, LLC | Participation in the NASA UAM Grand Challenge | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$0 AFRC | |
| 28 33035 | AiRXOS, Inc | Grand Challenge - Development Test Airspace Annex | 3/2/2020 | 3/2/2025 | Non-Reimbursable | \$678,932 AFRC | |
| 29 33034 | AiRXOS, Inc | Participation in the NASA UAM Grand Challenge | 3/2/2020 | 3/2/3035 | Non-Reimbursable | \$0 AFRC | |

| 30 33033 | AIRMAP, INC | Participation in the NASA UAM Grand Challenge - Development Test Airspace Annex | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$678,932 AFRC | |
|----------|-------------------------------|---|-----------|-----------|------------------|----------------|--|
| 31 33032 | AIRMAP, INC | Participation in the NASA UAM Grand Challenge | 2/3/2020 | 2/3/2025 | Non-Reimbursable | \$0 AFRC | |
| 32 33031 | JOBY AVIATION, INC | Grand Challenge - Development Test Flight Annex | 2/19/2020 | 2/19/2025 | Non-Reimbursable | \$789,472 AFRC | |
| 33 33030 | JOBY AVIATION, INC | Participation in the NASA UAM Grand Challenge | 2/19/2020 | 2/19/2025 | Non-Reimbursable | \$0 AFRC | |
| 34 32514 | Virgin Galactic Holdings, Inc | Collaborative Ventilator Development in Response to COVID-19 Pandemic | 4/22/2020 | 4/22/2021 | Non-Reimbursable | \$190,000 AFRC | |
| 35 32489 | Virgin Galactic Holdings | Collaborative Medical Device Development in Response to COVID-19 Pandemic | 4/22/2020 | 4/22/2023 | Non-Reimbursable | \$0 AFRC | |

| 36 | 32339 | Fenix Space, Inc. | Supporting Development of a Tow-glider Launch Platform throug | t 5/27/2020 | 5/27/2025 | Reimbursable | AFRC | |
|----|-------|-------------------|---|-------------|------------|--------------|------|--|
| 37 | 32338 | Fenix Space, Inc. | Development of Tow-glider Launch Platform | 5/27/2020 | 5/27/2025 | Reimbursable | AFRC | |
| 38 | 31875 | Stratolaunch, LLC | Annex to Support Flight Opperations of the Stratolaunch Carrier | 46/18/2020 | 2/13/2025 | Reimbursable | AFRC | |
| 39 | 31694 | Stratolaunch, LLC | To Support Flight Opperations of the Stratolaunch Carrier Aircraf | t 2/13/2020 | 2/13/2025 | Reimbursable | AFRC | |
| 40 | 31693 | Stratolaunch, LLC | To Support Flight Opperations of the Stratolaunch Carrier Aircraf | t 2/13/2020 | 2/13/2025 | Reimbursable | AFRC | |
| 41 | 31588 | Lockheed Martin | Annex to NASA ER-2 Low Power Laser Demonstrator (LPLD) | 1/8/2020 | 11/27/2022 | Reimbursable | AFRC | |

| 42 | 31026 | Northrop Grumman | Reimbursable Space Act Umbrella Agreement between Northrop | 2/6/2020 | 2/6/2023 | Reimbursable | AFRC | |
|----|-------|---------------------------|--|-----------|------------|---------------------------|--------|------------|
| 43 | 30284 | General Electric Aviation | General Electric Aviation Use of NASA SOFIA B747 Flight Simula | 5/8/2019 | 5/8/2024 | Reimbursable | AFRC | |
| 44 | 29919 | Scaled Composites | For Use of NASA SOFIA B747 Flight Simulator | 3/21/2019 | 3/21/2022 | Reimbursable | AFRC | |
| 45 | 29252 | The Boeing Company | Annex to Aerospace Research Development | 4/5/2019 | 2/3/2022 | Non-Reimbursable \$699,10 | 1 AFRC | SAA1-23831 |
| 46 | 28763 | Echodyne Corporation | Resilient Autonomy Collaboration | 9/25/2019 | 11/25/2021 | Non-Reimbursable \$11,03 | 6 AFRC | |
| 47 | 28723 | Sensuron, LLC | For Knowledge Transfer in support of non-Exclusive Technology | 2/3/2020 | 2/3/2021 | Reimbursable | AFRC | |

| 48 28157 | ZIVA CORP | M-DART Demonstration Program | 8/16/2018 | 8/16/2021 | Reimbursable | AFRC | |
|----------|-----------------------------------|---|------------|------------|------------------|------------------|--|
| 49 27967 | AEROVIRONMENT, INC | Unmanned Aircraft Systems (UAS) Testing | 11/14/2018 | 11/14/2023 | Reimbursable | AFRC | |
| 50 27898 | Latitude Engineering, LLC | Resilient Autonomy Collaboration with Latitude Engineering | 10/2/2019 | 1/2/2021 | Non-Reimbursable | \$10,097 AFRC | |
| 51 27413 | The Spaceship Company | Consultation and Peer Review Support | 10/12/2018 | 1/5/2021 | Reimbursable | AFRC | |
| 52 27347 | Modern Technology Solutions, Inc. | Collaborative development of contingency management for autonomous aircraft | 8/6/2018 | 12/6/2020 | Non-Reimbursable | \$374,127 AFRC | |
| 53 26975 | Bell Textron, Inc | Hybrid-Electric System Integration, Development and Testing Activities | 8/8/2019 | 8/8/2022 | Non-Reimbursable | \$1,519,555 AFRC | |

| 54 26974 | Bell Textron, Inc | Hybrid-Electric System Integration, Development and Testing Activities | 8/8/2019 | 8/8/2024 | Non-Reimbursable | \$0 AFRC | |
|----------|---|---|--------------|------------|------------------|--------------|--|
| 55 25826 | Raytheon Company | For Use of NASA SOFIA B747 Flight Simulator | 6/22/2017 | 6/22/2022 | Reimbursable | AFRC | |
| 56 25811 | Lockheed Martin | NASA ER-2 Low Power Laser Demonstrator (LPLD) | 11/27/2017 | 11/27/2022 | Reimbursable | AFRC | |
| 57 25562 | Safety Technology Holdings, Incorporated | Reimbursable Space Act Agreement to support the test setup ar | nc 12/7/2017 | 12/7/2022 | Reimbursable | AFRC | |
| 58 24538 | TriTech Small Business Development Center | Annex to Non-Reimburseable Space Act Agreement with TriTech SBDC for Small Business Innovation Research/Small business Technology Transfer assistance | 4/17/2017 | 4/17/2022 | Non-Reimbursable | \$5,160 AFRC | |
| 59 24537 | TriTech Small Business Development Center | Annex to Non-Reimburseable Space Act Agreement with TriTech SBDC for Regional Economic Development | 4/17/2017 | 4/17/2022 | Non-Reimbursable | \$7,313 AFRC | |

| 60 23718 | TriTech Small Business Development Center | Non-Reimburseable Space Act Agreement with TriTech SBDC for Regional Economic Development, including Technology Transfer assistance | 4/17/2017 | 4/17/2022 | Non-Reimbursable | \$2,733 AFRC | |
|----------|---|---|------------|------------|------------------|--------------|--|
| 61 23717 | TriTech Small Business Development Center | Non-Reimburseable Space Act Agreement with TriTech SBDC for Regional Economic Development, including Technology Transfer and Small Business Innovation Research/Small business Technology Transfer assistance | 4/17/2017 | 4/17/2022 | Non-Reimbursable | \$0 AFRC | |
| 62 23205 | Lockheed Martin Aeronautics Company | Develop Cost Estimate of Proposed Tests | 4/24/2017 | 4/24/2022 | Reimbursable | AFRC | |
| 63 23204 | Lockheed Martin Aeronautics Company | Testing Support of Lockheed Martin Test Articles | 4/24/2017 | 4/24/2022 | Reimbursable | AFRC | |
| 64 23109 | Battelle Memorial Institute | Development of an Ice Prevention System | 11/17/2016 | 11/17/2021 | Reimbursable | AFRC | |
| 65 23044 | Cal Poly Pomona Foundation, Inc | Non-Reimburseable Space Act Agreement Between Cal Poly Pomona Foundation, Inc. to Evaluate, Prototype, and Conduct Market Research on Technologies available for licensing within the Intellectual Property Portfolio | 1/5/2017 | 1/5/2022 | Non-Reimbursable | \$3,918 AFRC | |

| 66 22279 | Stratolaunch Federal Inc | Stratolaunch vehicle technical and engineering support | 1/11/2017 | 1/11/2021 | Reimbursable | AFRC | |
|----------|---------------------------------|--|------------|------------|------------------|--------------|---------------|
| 67 21777 | Cal Poly Pomona Foundation, Inc | Non-Reimburseable Space Act Agreement Between Cal Poly Pomona Foundation, Inc. to Evaluate, Prototype, and Conduct Market Research on technologies within the Technology Transfer Patent Portfolio | 1/5/2017 | 1/5/2022 | Non-Reimbursable | \$0 AFRC | |
| 68 21557 | The Spaceship Company | FLIGHT TEST ENGINEERING AND ASSOCIATED TECHNICAL | _ 1/5/2016 | 1/5/2021 | Reimbursable | AFRC | |
| 69 21370 | Sands Aviation LLC | For Use of NASA SOFIA B747 Flight Simulator | 9/30/2015 | 10/31/2021 | Reimbursable | AFRC | |
| 70 21210 | Spectabit Optics LLC | Schlieren Image Acquisition and Processing Advancements | 10/6/2015 | 10/6/2020 | Non-Reimbursable | \$0 AFRC | |
| 71 33061 | Sentinel Healthcare Corporation | Annex One under NonReimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Sentinel Healthcare for a Data-Driven Pandemic Response Management System | 9/8/2020 | 9/8/2022 | Non-Reimbursable | \$10,817 ARC | SAA2-403585-1 |

| 72 33060 | Sentinel Healthcare Corporation | NonReimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Sentinel Healthcare for a Data-Driven Pandemic Response Management System (COVID- 19) | 9/8/2025 | Non-Reimbursable | \$0 ARC | SAA2-403585 |
|----------|---------------------------------------|---|------------|------------------|---------------|---------------|
| 73 32859 | Small Payload Ride Share Association | Non-Reimbursable Space Act Agreement between NASA ARC and Small Payload Ride Share Association for Co-hosting the 20th Annual Small Payload Ride Share Virtual Symposium | 7/28/2021 | Non-Reimbursable | \$56,212 ARC | SAA2-403575 |
| 74 32742 | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | Nonreimbursable Space Act Agreement between NASA ARC and Massachusetts Institute of Technology for High Performance Computer Modeling of Potential COVID-19 Treatment Drugs, for COVID-19 support | 11/28/2020 | Non-Reimbursable | \$251,764 ARC | SAA2-403560 |
| 75 32736 | NISSAN NORTH AMERICA, INC | Annex 2 under RUSAA between NASA ARC and Nissan North Ar 6/12/2020 | 6/12/2022 | Reimbursable | ARC | SAA2-403545-2 |
| 76 32645 | Virginia Commonwealth University | Nonreimbursable Space Act Agreement between NASA ARC and Virginia Commonwealth University (VCU) for High Performance Computer Modeling of COVID-19 Corona Virus, for COVID-19 support | 11/12/2020 | Non-Reimbursable | \$111,845 ARC | SAA2-403561 |
| 77 32517 | MOFFETT FIELD HISTORICAL SOCIETY | Reimbursable Space Act Agreement between NASA Ames Resea 6/29/2020 | 6/29/2025 | Reimbursable | ARC | SAA2-403562 |

| 78 32187 | LOCKHEED MARTIN | Reimbursable Space Act Agreement between NASA ARC and Lo 5/1/2020 | 5/1/2021 | Reimbursable | ARC | SAA2-403549 |
|----------|-----------------------------------|---|------------|------------------|-----------------|------------------------------------|
| 79 32147 | Exo-Atmospheric Technologies, LLC | Reimbursable Space Act Agreement between NASA ARC and Ex 8/20/2020 | 8/20/2021 | Reimbursable | ARC | SAA2-403547 |
| 80 32066 | The Boeing Company | Annex 19 between NASA ARC and The Boeing Company under Umbrella Agreement No. 21157/SAA1-21157 for Function 4/21/2020 Allocation Determinations | 12/22/2020 | Non-Reimbursable | \$1,009,507 ARC | SAA2-403546 (under SAA1- 21157) |
| 81 31973 | NISSAN NORTH AMERICA, INC | Annex 1 between NASA ARC and Nissan North America for Distr 6/12/2020 | 6/12/2022 | Reimbursable | ARC | SAA2-403545-1 |
| 82 31972 | NISSAN NORTH AMERICA, INC | Reimbursable Umbrella Space Act Agreement between NASA AF 6/12/2020 | 6/12/2025 | Reimbursable | ARC | SAA2-403545 |
| 83 31897 | Arizona State University | Annex One to NRUSAA between NASA ARC and Arizona State University for Technology Transfer Academia Infusion | 5/21/2025 | Non-Reimbursable | \$62,883 ARC | SAA2-403530-1 |

| 84 31896 | Arizona State University | Non-reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Arizona State University for Space Exploration, Science and Engineering Research, and STEM Initiatives | 5/21/2020 | 5/21/2025 | Non-Reimbursable | \$0 ARC | SAA2-403530 |
|----------|---------------------------------|--|------------|------------|------------------|-----------------|---------------|
| 85 31848 | SPACE SYSTEMS LORAL, LLC | Annex 1 to Nonreimbursable Umbrella Space Act Agreement between NASA ARC and Space Systems Loral for Robotic and Spacecraft Technology Research | 4/16/2020 | 4/16/2023 | Non-Reimbursable | \$62,229 ARC | SAA2-403528-1 |
| 86 31847 | SPACE SYSTEMS LORAL, LLC | Reimbursable Umbrella Space Act Agreement between NASA ARC and Space Systems Loral for Robotic and Spacecraft Technology Research | 4/16/2020 | 4/16/2025 | Non-Reimbursable | \$0 ARC | SAA2-403528 |
| 87 31474 | Uber Technologies Inc | Annex between the National Aeronautics and Space Administration Ames Research Center and Uber Technologies Inc under Space Act Umbrella Agreement No. 27889, SAA2- 403420 (Annex Number Two) | 2/3/2020 | 2/3/2023 | Non-Reimbursable | \$1,463,871 ARC | SAA2-403420-2 |
| 88 31448 | Founder Institute, Incorporated | Non-Reimbursable Annex One Under Umbrella Agreement No. SAA2-403517 Between the National Aeronautics and Space Administration and Founder Institute, Incorporated for Phase 1 - Founder Institute Space Tech Accelerator Program | 11/19/2019 | 11/19/2020 | Non-Reimbursable | \$22,761 ARC | SAA2-403517-1 |
| 89 31447 | Founder Institute, Incorporated | Nonreimbursable Space Act Umbrella Agreement between the National Aeronautics and Space Administration Ames Research Center and Founder Institute, Incorporated for the Fostering of Space Entrepreneurship | 11/19/2019 | 11/19/2022 | Non-Reimbursable | \$0 ARC | SAA2-403517 |

| 90 31360 | Northrop Grumman Corporation | ANNEX BETWEEN THE NATIONAL AERONAUTICS AND SPAC 1/20/2020 | 1/20/2021 | Reimbursable | ARC | SAA2-403514-1 |
|----------|-------------------------------------|--|------------|--------------|-----|---------------|
| 91 31359 | Northrop Grumman Corporation | REIMBURSABLE SPACE ACT UMBRELLA AGREEMENT No.31 1/20/2020 | 1/20/2025 | Reimbursable | ARC | SAA2-403514 |
| 92 31234 | GOOGLE, LLC | Reimbursable Space Act Agreement between NASA ARC and Go 3/30/2020 | 3/30/2021 | Reimbursable | ARC | SAA2-403512 |
| 93 31044 | NTT Research, Inc. | Reimbursable Space Act Agreement between the National Aeron 11/12/2019 | 11/12/2024 | Reimbursable | ARC | SAA2-403506 |
| 94 30884 | San Francisco International Airport | Reimbursable Umbrella Space Act Agreement between The Natio 7/2/2019 | 7/2/2024 | Reimbursable | ARC | SAA2-403426 |
| 95 30835 | Advanced Technologies Group, Inc. | Annex One to the Reimbursable Umbrella Space Act Agreement 12/20/2019 | 12/20/2020 | Reimbursable | ARC | SAA2-403500-1 |

| 96 | 30834 | Advanced Technologies Group, Inc. | Reimbursable Umbrella Space Act Agreement between NASA AF | 12/20/2019 | 12/20/2024 | Reimbursable | ARC | SAA2-403500 |
|-----|-------|--|--|------------|------------|-------------------------|-------|----------------|
| 97 | 30730 | UNIVERSITY OF WASHINGTON | Annex between the National Aeronautics and Space Administration | 8/27/2019 | 8/27/2022 | Reimbursable | ARC | SAA2-403496-1 |
| 98 | 30729 | UNIVERSITY OF WASHINGTON | Reimbursable Space Act Umbrella Agreement between the Natio | 8/27/2019 | 8/27/2024 | Reimbursable | ARC | SAA2-403496 |
| 99 | 30660 | GOOGLE, LLC | Reimbursable Space Act Agreement between the National Aeron | 6/28/2019 | 12/28/2020 | Reimbursable | ARC | SAA2-403461 |
| 100 | 30656 | Orbital Sciences Corporation, a wholly owned s | Annex Seven between NASA ARC and Orbital Sciences Corpora | 6/25/2019 | 6/25/2021 | Reimbursable | ARC | SAA2-403470-7 |
| 101 | 30601 | SAN JOSE STATE UNIVERSITY | Annex One to Nonreimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration Ames Research Center and San Jose State University to Facilitate Development of Nano-Satellite Sub-Systems and Sensors | 6/20/2019 | 6/20/2022 | Non-Reimbursable \$19,7 | 9 ARC | SAA2-403280 -1 |

| 102 30598 | SAN JOSE STATE UNIVERSITY | Nonreimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration Ames Research Center and San Jose State University for TechEdSat N Academia Infusion | 6/20/2022 | Non-Reimbursable | \$0 ARC | SAA2-403280 |
|-----------|-------------------------------------|--|------------|------------------|-----------------|---------------|
| 103 30437 | Rockwell Collins, Inc | Nonreimbursable Space Act Agreement between the National Aeronautics and Space Administration Ames Research Center and Rockwell Collins, Inc. for Human-Autonomy Teaming Research | 8/26/2023 | Non-Reimbursable | \$450,224 ARC | SAA2-403491 |
| 104 30402 | LOCKHEED MARTIN | Reimbursable Space Act Agreement between the National Aeron 5/21/2019 | 5/21/2021 | Reimbursable | ARC | SAA2-403458 |
| 105 30375 | THE BOEING COMPANY | Annex Eighteen between NASA Ames and the Boeing Company Under Space Act Umbrella Agreement SAA1-21157 for 5/16/2019 Validation and Verification of Flight Critical Software Testing | 11/16/2020 | Non-Reimbursable | \$1,076,066 ARC | SAA2-403472 |
| 106 30367 | THE BOEING COMPANY | Annex Seven Between NASA Ames and The Boeing Company Under LaRC Umbrella for Testing Digital Communications 4/23/2019 During EcoDemostrator Flight Testing | 4/23/2021 | Non-Reimbursable | \$621,239 ARC | SAA2-403293-7 |
| 107 30244 | GE Flight Efficiency Services, Inc. | Non-Reimbursable Space Act Umbrella Agreement Between the National Aeronautics and Space Administration Ames Research Center and GE Flight Efficiency Services, Inc. for Collaborative Development and Use of NASA ATM-X Testbed for Integrated ATM Research | 9/12/2024 | Non-Reimbursable | \$0 ARC | SAA2-403486 |

| 108 | 30167 | Airxos | Non-Reimbursable Space Act Agreement Between Airxos and NASA Ames for Unmanned Aircraft Systems Traffic Management. | 4/5/2019 | 4/5/2022 | Non-Reimbursable \$2 | 4,585 / | ARC | SAA2-403422 |
|-----|-------|--|--|-----------|-----------|----------------------|---------|-----|---------------|
| 109 | 30078 | Iowa State University | Non-Reimbursable Space Act Agreement Between NASA Ames and Iowa State University (ISU) for Unmanned Aircraft Systems Traffic Management (UTM) | 3/28/2019 | 3/28/2022 | Non-Reimbursable \$2 | 4,585 / | ARC | SAA2-403449 |
| 110 | 29967 | American Space Industries, Inc. | Reimbursable Space Act Agreement Between NASA Ames and A | 3/2/2019 | 3/2/2022 | Reimbursable | / | ARC | SAA2-403421 |
| 111 | 29856 | Texas A&M Engineering Experiment Station | Non-Reimbursable Space Act Agreement Between NASA Ames and Texas AM Engineering Experiment Station for Investigating Additive Manufacturing of Thermal Protection Material | 2/20/2019 | 2/20/2021 | Non-Reimbursable \$3 | 2,675 / | ARC | SAA2-403455 |
| 112 | 29462 | Voltex Technology, Inc. | Reimbursable Space Act Agreement between the National Aeron | 7/31/2019 | 1/31/2022 | Reimbursable | / | ARC | SAA2-403466 |
| 113 | 29381 | The Boeing Company | Annex One to the Reimbursable Umbrella Space Act Agreement | 4/27/2020 | 4/27/2021 | Reimbursable | / | ARC | SAA2-403460-1 |

| 114 29380 | The Boeing Company | Reimbursable Umbrella Space Act Agreement between NASA An 4/27/2020 | 4/27/2025 | Reimbursable | ARC | SAA2-403460 |
|-----------|-------------------------------------|---|------------|------------------|---------------|-------------|
| 115 28878 | SOUTHWEST AIRLINES COMPANY | Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Southwest Airlines for Development and Evaluation of an Air Traffic Management System | 7/12/2021 | Non-Reimbursable | \$225,914 ARC | SAA2-403448 |
| 116 28737 | Raytheon Company | Non-Reimbursable Space Act Agreement Between Raytheon Company and NASA Ames for Unmanned Aircraft Systems Traffic Management 8/1/2018 | 8/1/2021 | Non-Reimbursable | \$17,746 ARC | SAA2-403436 |
| 117 28735 | UASidekick | Non-Reimbursable Space Act Agreement Between UASidekick and the National Aeronautics and Space Administration Ames Research Center for Unmanned Aircraft Systems Traffic Management | 11/19/2021 | Non-Reimbursable | \$17,565 ARC | SAA2-403453 |
| 118 28611 | Mountain View Housing Ventures, LLC | REIMBURSABLE SPACE ACT AGREEMENT BETWEEN NASA 11/1/2018 | 12/31/2020 | Reimbursable | ARC | SAA2-403441 |
| 119 28415 | Planetary Ventures, LLC | Temporary Construction License between NASA Ames and Plane 5/24/2018 | 12/31/9999 | Reimbursable | ARC | SAA2-403414 |

| 120 | 28344 | Space Exploration Technologies Corp. | Annex One to the Reimbursable Umbrella Space Act Agreement | 6/6/2018 | 6/6/2021 | Reimbursable | · ARC | SAA2-403419-1 |
|-----|-------|--------------------------------------|--|------------|------------|----------------------------|-------|---------------|
| 121 | 28264 | UNIVERSITY OF CINCINNATI | Annex Three to the Nonreimbursable Umbrella Space Act Agreement between the University of Cincinnati and The National Aeronautics And Space Administration, Ames Research Center for Providing Educational Opportunities to Students to Evaluate Technology Transfer Opportunities | 11/1/2018 | 11/1/2023 | Non-Reimbursable \$118,116 | ARC | SAA2-402808-3 |
| 122 | 28072 | NANOBEAK, LLC | Reimbursable Space Act Agreement with Nanobeak, LLC for Dev | 11/15/2018 | 11/15/2020 | Reimbursable | - ARC | SAA2-403425 |
| 123 | 27956 | Stratolaunch Federal Inc | Annex Five to the Reimbursable Umbrella Space Act Agreement | 4/5/2018 | 12/6/2021 | Reimbursable | - ARC | SAA2-403221-5 |
| 124 | 27940 | Stratolaunch Systems Corporation | Annex 4 for Reimbursable Umbrella Space Act Agreement between | 4/5/2018 | 12/6/2021 | Reimbursable | - ARC | SAA2-403221-4 |
| 125 | 27918 | Stratolaunch Federal Inc | Annex Three to the Reimbursable Umbrella Space Act Agreemer | 4/5/2018 | 12/6/2021 | Reimbursable | - ARC | SAA2-403221-3 |

| 126 27890 | Uber Technologies Inc | Annex One to the Non-Reimbursable Umbrella Space Act Agreement Between the National Aeronautics and Space Administration Ames Research Center and Uber Technologies Inc for Initial Modeling and Simulations of Urban Air Mobility Operations for Airspace Access and Scalability | 1/4/2021 | Non-Reimbursable | \$604,820 ARC | SAA2-403420-1 |
|-----------|--------------------------------------|---|-----------|------------------|---------------|---------------|
| 127 27889 | Uber Technologies Inc | Non-Reimbursable Umbrella Between the National Aeronautics and Space Administration Ames Research Center and Uber Technologies Inc for Research, Development, Testing and Evaluation of an Urban Air Mobility (UAM) System | 5/4/2023 | Non-Reimbursable | \$0 ARC | SAA2-403420 |
| 128 27872 | Space Exploration Technologies Corp. | Reimbursable Umbrella Space Act Agreement Between the Natio 6/6/2018 | 6/6/2023 | Reimbursable | ARC | SAA2-403419 |
| 129 27791 | Thales Holding Corporation | Non-Reimbursable Space Act Agreement Between the National Aeronautics and Space Administration Ames Research Center Research Center and Thales Holding, INC. for the Unmanned Aircraft Systems Traffic Management | 3/19/2021 | Non-Reimbursable | \$21,700 ARC | SAA2-403297 |
| 130 27787 | GOOGLE, LLC | Non-Reimbursable Space Act Agreement Between the National Aeronautics and Space Administration Ames Research Center and Google LLC to Analyze the Utilization and Assessment of Googles Emerging Quantum Processors | 7/3/2023 | Non-Reimbursable | \$680,962 ARC | SAA2-403407 |
| 131 27617 | Blue Origin, LLC | Annex One to the Reimbursable Umbrella Space Act Agreement 7/13/2018 | 7/13/2021 | Reimbursable | ARC | SAA2-403403-1 |

| 132 27616 | Blue Origin, LLC | Reimbursable Umbrella Space Act Agreement Between the Natio | 7/13/2018 | 7/13/2023 | Reimbursable | ARC | SAA2-403403 |
|-----------|--|---|-----------|-----------|------------------|---------------|-------------|
| 133 27441 | Agusta Westland Philadelphia Corporation | Reimbursable Umbrella Space Act Agreement Between the Natio | 1/29/2018 | 1/29/2023 | Reimbursable | ARC | SAA2-403286 |
| 134 26743 | INTEL CORP | Non-Reimbursable Space Act Agreement between the National Aeronautics and Space Administration Ames Research Center and Intel Corporation for Collaboration to Evaluate NASA's Computational Performance | 9/20/2017 | 9/20/2021 | Non-Reimbursable | \$93,827 ARC | SAA2-403249 |
| 135 26364 | Walmart Stores, Inc | Nonreimbursable Space Act Agreement between Walmart Stores, Inc and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management | 7/31/2017 | 7/31/2022 | Non-Reimbursable | \$102,925 ARC | SAA2-403248 |
| 136 26363 | The Boeing Company | Nonreimbursable Space Act Agreement between The Boeing Company and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management | 7/31/2017 | 7/31/2022 | Non-Reimbursable | \$102,925 ARC | SAA2-403229 |
| 137 26361 | THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY | Nonreimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and Port Authority of New York and New Jersey for Capacity Improvement and Delay Reduction in the New York Metroplex | 7/31/2017 | 7/31/2022 | Non-Reimbursable | \$0 ARC | SAA2-403156 |

| 138 26320 | Northeast UAS Airspace Integration Research | Reimbursable Space Act Agreement between the National Aeron | 7/31/2017 | 7/31/2022 | Reimbursable | ARC | SAA2-403197 |
|-----------|---|---|-----------|-----------|------------------|---------------|-------------|
| 139 26319 | | Nonreimbursable Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and Northeast UAS Airspace Integration Research Alliance, Inc. for UAS Traffic Management | 7/31/2017 | 7/31/2022 | Non-Reimbursable | \$102,925 ARC | SAA2-403196 |
| 140 26114 | Botlink, LLC | Nonreimbursable Space Act Agreement between Botlink, LLC and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management | 5/13/2017 | 5/13/2022 | Non-Reimbursable | \$102,925 ARC | SAA2-403261 |
| 141 26113 | Carbon Autonomous Systems LLC | Nonreimbursable Space Act Agreement between Carbon Autonomous Systems LLC and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management | 5/10/2017 | 5/10/2022 | Non-Reimbursable | \$1,000 ARC | SAA2-403257 |
| 142 26112 | Skyskopes | Nonreimbursable Space Act Agreement between Skyskopes and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management | 5/10/2017 | 5/10/2022 | Non-Reimbursable | \$102,925 ARC | SAA2-403259 |
| 143 26110 | Drone America | Nonreimbursable Space Act Agreement between Drone America and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management | | 5/11/2022 | Non-Reimbursable | \$1,000 ARC | SAA2-403253 |

| 144 26108 | ISight RPV Services | Nonreimbursable Space Act Agreement between ISight RPV Services and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management | 5/11/2022 | Non-Reimbursable | \$102,925 ARC | SAA2-403265 |
|-----------|---|--|-----------|------------------|---------------|-------------|
| 145 25922 | Unmanned Applications Institute International | Nonreimbursable Space Act Agreement between Unmanned Applications Institute International and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management | 5/11/2022 | Non-Reimbursable | \$102,925 ARC | SAA2-403260 |
| 146 25787 | The General Electric Company | Reimbursable Space Act Agreement between the National Aeron 5/17/2017 | 5/17/2021 | Reimbursable | ARC | SAA2-403256 |
| 147 25578 | General Atomics Aeronautical Systems Inc. | Reimbursable Umbrella Space Act Agreement between the Natio 4/20/2017 | 4/20/2022 | Reimbursable | ARC | SAA2-403246 |
| 148 25495 | Sapphire Innovation Solutions, Inc. | Nonreimbursable Space Act Agreement between Sapphire Innovation Solutions, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management | 4/3/2022 | Non-Reimbursable | \$1,000 ARC | SAA2-403251 |
| 149 25494 | Flyspan Systems, Inc. | Nonreimbursable Space Act Agreement between Flyspan Systems, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management | 4/3/2022 | Non-Reimbursable | \$1,000 ARC | SAA2-403250 |

| 150 25069 | IAI North America | Nonreimbursable Space Act Agreement between IAI North America and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management | 2/3/2022 | Non-Reimbursable | \$100,162 ARC | SAA2-403233 |
|-----------|----------------------------------|--|-----------|------------------|-----------------|---------------|
| 151 25006 | GoPro, Inc. | Nonreimbursable Space Act Agreement between GoPro, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management | 1/26/2022 | Non-Reimbursable | \$100,162 ARC | SAA2-403190 |
| 152 24991 | Uber Technologies, Inc. | Nonreimbursable Space Act Agreement between Uber Technologies, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management | 1/26/2022 | Non-Reimbursable | \$100,162 ARC | SAA2-403231 |
| 153 24921 | H211, LLC | Nonreimbursable Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and H211, LLC for Earth Observations in Support of Air Pollution and Climate Change Research | 1/17/2022 | Non-Reimbursable | \$1,243,691 ARC | SAA2-403236 |
| 154 24749 | STRATOLAUNCH SYSTEMS CORP | Annex One to the Reimbursable Umbrella Space Act Agreement 12/6/2016 | 12/6/2021 | Reimbursable | ARC | SAA2-403221-1 |
| 155 24748 | Stratolaunch Systems Corporation | Reimbursable Umbrella Space Act Agreement between the Natio 12/6/2016 | 12/6/2021 | Reimbursable | ARC | SAA2-403221 |

| 156 24643 | AT&T Government Solutions | Annex One to the Nonreimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and AT&T Government Solutions for Unmanned Aerial Systems Traffic Management | 10/26/2016 | 10/26/2021 | Non-Reimbursable | \$22,039 ARC | SAA2-403109-1 |
|-----------|--|---|------------|------------|------------------|---------------|---------------|
| 157 24548 | AT&T Government Solutions | Nonreimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and AT&T Government Solutions for Unmanned Aerial Systems Traffic Management | 10/26/2016 | 10/26/2021 | Non-Reimbursable | \$0 ARC | SAA2-403109 |
| 158 24366 | The City of Charlotte | Non-Reimbursable Space Act Agreement with the City of Charlotte, Charlotte Douglas International Airport for Laboratory Space and Data Sharing | 10/5/2016 | 10/5/2021 | Non-Reimbursable | \$7,500 ARC | SAA2-403163 |
| 159 24256 | Rockwell Collins | Nonreimbursable Space Act Agreement between Rockwell Collins and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 9/22/2016 | 9/22/2021 | Non-Reimbursable | \$21,771 ARC | SAA2-403148 |
| 160 23533 | The Board of Trustees of the Leland Stanford Junior University | Nonreimbursable Space Act Agreement between The Board of Trustees of the Leland Stanford Junior University and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 7/5/2016 | 7/5/2021 | Non-Reimbursable | \$21,771 ARC | SAA2-403144 |
| 161 23532 | Sensurion Aerospace | Nonreimbursable Space Act Agreement between Sensurion Aerospace and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 7/5/2016 | 7/5/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403113 |

| 162 23202 | General Electric Global Research | Annex One to the Nonreimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and General Electric Global Research for Collaboration on Airspace Operations and Safety Research | 5/24/2016 | 5/24/2024 | Non-Reimbursable | \$808,294 ARC | SAA2-403098-1 |
|-----------|-------------------------------------|---|-----------|-----------|------------------|---------------|---------------|
| 163 23200 | General Electric Global Research | Nonreimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and General Electric Global Research for Collaboration on Airspace Operations and Safety Research | 5/24/2016 | 5/24/2021 | Non-Reimbursable | \$0 ARC | SAA2-403098 |
| 164 23161 | Flirtey Inc. | Nonreimbursable Space Act Agreement between Flirtey Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | | 5/18/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403142 |
| 165 23160 | Nokia Solutions and Networks US LLC | Nonreimbursable Space Act Agreement between Nokia Solutions and Networks US LLC and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 5/18/2016 | 5/18/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403141 |
| 166 23159 | Proxy Technologies, Inc. | Nonreimbursable Space Act Agreement between Proxy Technologies, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 5/18/2016 | 5/18/2021 | Non-Reimbursable | \$267,927 ARC | SAA2-403117 |
| 167 23060 | NextNav, LLC | Nonreimbursable Space Act Agreement between NextNav, LLC and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 5/6/2016 | 5/6/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403126 |

| 168 22945 | Nevada Institute for Autonomous Systems on behalf of the Governor's Office of Economic Development | Nonreimbursable Space Act Agreement between Nevada Institute for Autonomous Systems on behalf of the Governor's Office of Economic Development and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 4/20/2016 | 4/20/2021 | Non-Reimbursable | \$267,927 ARC | SAA2-403118 |
|-----------|--|---|-----------|-----------|------------------|---------------|-------------|
| 169 22944 | ATAC Corporation | Nonreimbursable Space Act Agreement between ATAC Corporation and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 4/20/2016 | 4/20/2021 | Non-Reimbursable | \$267,927 ARC | SAA2-403146 |
| 170 22942 | Icarus Aerospace Inc. | Nonreimbursable Space Act Agreement between Icarus Aerospace Inc and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 4/18/2016 | 4/18/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403159 |
| 171 22835 | cPilot | Nonreimbursable Space Act Agreement between cPilot and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 4/5/2016 | 4/5/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403122 |
| 172 22834 | University of Alaska Fairbanks | Nonreimbursable Space Act Agreement between University of Alaska Fairbanks and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 4/5/2016 | 4/5/2021 | Non-Reimbursable | \$267,927 ARC | SAA2-403136 |
| 173 22833 | GE Global Research | Nonreimbursable Space Act Agreement between GE Global Research and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 4/5/2016 | 4/5/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403087 |

| 174 22762 | Dallas/Fort Worth International Airport Board | Nonreimbursable Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and Dallas/Fort Worth International Airport Board for Data Sharing for Nextgen Research and Development | 3/29/2016 | 3/29/2021 | Non-Reimbursable | \$41,400 ARC | SAA2-402972 |
|-----------|---|---|-----------|-----------|------------------|---------------|-------------|
| 175 22712 | AeroVironment, Inc. | Nonreimbursable Space Act Agreement between AeroVironment, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 3/22/2016 | 3/22/2021 | Non-Reimbursable | \$267,927 ARC | SAA2-403138 |
| 176 22711 | Scientific Systems Company, Inc. | Nonreimbursable Space Act Agreement between Scientific Systems Company, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 3/22/2016 | 3/22/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403124 |
| 177 22684 | Near Earth Autonomy, Inc. | Nonreimbursable Space Act Agreement between Near Earth Autonomy and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 3/21/2016 | 3/21/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403116 |
| 178 22675 | Modern Technology Solutions, Inc. | Nonreimbursable Space Act Agreement between Modern Technology Solutions, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 3/21/2016 | 3/21/2021 | Non-Reimbursable | \$267,927 ARC | SAA2-403090 |
| 179 22525 | KDC TechSolutions International, LLC | Nonreimbursable Space Act Agreement between KDC TechSolutions International, LLC and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/25/2016 | 2/25/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403130 |

| 180 22524 | Harris Corporation | Nonreimbursable Space Act Agreement between Harris Corporation and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/25/2016 | 2/25/2021 | Non-Reimbursable | \$267,927 ARC | SAA2-403119 |
|-----------|-------------------------------------|--|-----------|-----------|------------------|---------------|-------------|
| 181 22523 | PEMDAS Technologies and Innovations | Nonreimbursable Space Act Agreement between PEMDAS Technologies and Innovations and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/25/2016 | 2/25/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403120 |
| 182 22522 | Aurora Flight Sciences Corporation | Nonreimbursable Space Act Agreement between Aurora Flight Sciences Corporation and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/25/2016 | 2/25/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403134 |
| 183 22521 | Drone Co-Habitation Services, LLC | Nonreimbursable Space Act Agreement between Drone Co- Habitation Services, LLC and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/25/2016 | 2/25/2021 | Non-Reimbursable | \$267,927 ARC | SAA2-403140 |
| 184 22520 | Aviation Management Inc., LLC | Nonreimbursable Space Act Agreement between Aviation Management Inc., LLC and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/25/2016 | 2/25/2021 | Non-Reimbursable | \$267,927 ARC | SAA2-403128 |
| 185 22519 | Air Route Optimizer, Inc. | Nonreimbursable Space Act Agreement between Air Route Optimizer, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/25/2016 | 2/25/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403127 |

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|-----------|-------------------------------------|--|-----------|-----------|------------------|-----------------|-------------|
| 186 22517 | Luftronix, Inc. | Nonreimbursable Space Act Agreement between Luftronix, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/25/2016 | 2/25/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403125 |
| 187 22516 | R Cubed Engineering, LLC | Nonreimbursable Space Act Agreement between R Cubed Engineering, LLC and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/25/2016 | 2/25/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403123 |
| 188 22463 | Virgin America, Inc., | Nonreimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and Virgin America, Inc. for Technical Collaboration and Research in Aeronautics | 2/24/2016 | 2/24/2021 | Non-Reimbursable | \$0 ARC | SAA2-403110 |
| 189 22462 | Qualcomm Technologies, Inc. | Nonreimbursable Space Act Agreement between Qualcomm Technologies, Inc. and the National Aeronautics and Space Administration, Ames Research Center to Explore How Communications and Surveillance Technologies Could Support Unmanned Aerial Systems (UAS) Traffic Management (UTM) | 3/1/2016 | 3/1/2021 | Non-Reimbursable | \$230,608 ARC | SAA2-403025 |
| 190 22421 | University of Massachusetts Amherst | Nonreimbursable Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and University of Massachusetts Amherst for Collaboration Related to Software Intensive and Network/Cloud-Enabled Advanced Cockpit Design and Operations | 2/25/2016 | 2/25/2021 | Non-Reimbursable | \$1,233,475 ARC | SAA2-402963 |
| 191 22398 | Matternet, Inc. | Nonreimbursable Space Act Agreement between Matternet, Inc and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/16/2016 | 2/16/2021 | Non-Reimbursable | \$267,927 ARC | SAA2-403107 |

| 192 22397 | Fovea Aero Systems, LLC | Nonreimbursable Space Act Agreement between Fovea Aero Systems, LLC and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/16/2016 | 2/16/2021 | Non-Reimbursable | \$267,927 ARC | SAA2-403135 |
|-----------|--|--|--------------|-----------|------------------|---------------|-------------|
| 193 22396 | uAvionix Inc. | Nonreimbursable Space Act Agreement between uAvionix Inc and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/16/2016 | 2/16/2021 | Non-Reimbursable | \$267,927 ARC | SAA2-403132 |
| 194 22392 | Ax Enterprize | Nonreimbursable Space Act Agreement between Ax Enterprize and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/16/2016 | 2/16/2021 | Non-Reimbursable | \$21,771 ARC | SAA2-403133 |
| 195 22250 | Bye UAS, Inc DBA Silent Falcon UAS Technologies | Nonreimbursable Space Act Agreement between Bye UAS, Inc DBA Silent Falcon UAS Technologies and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/2/2016 | 2/2/2021 | Non-Reimbursable | \$267,927 ARC | SAA2-403112 |
| 196 22248 | GreenSight Agronomics | Nonreimbursable Space Act Agreement between GreenSight Agronomics and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 2/2/2016 | 2/2/2021 | Non-Reimbursable | \$100,162 ARC | SAA2-403114 |
| 197 22059 | Zero Gravity Solutions, Inc | Reimbursable Space Act Agreement between the National Aero | n. 1/11/2016 | 1/11/2021 | Reimbursable | ARC | SAA2-403069 |

| 198 | 22053 | Emerging Technologies Ventures, Inc. | Nonreimbursable Space Act Agreement between Emerging Technology Ventures Inc and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 1/8/2016 | 1/8/2021 | Non-Reimbursable | \$100,162 | ARC | SAA2-403095 |
|-----|-------|--------------------------------------|---|------------|------------|------------------|-----------|-----|-------------|
| 199 | 22052 | AirMap, Inc. | Nonreimbursable Space Act Agreement between AirMap, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 1/8/2016 | 1/8/2021 | Non-Reimbursable | \$267,927 | ARC | SAA2-403071 |
| 200 | 22051 | American Airlines, Inc. | Nonreimbursable Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and American Airlines, Inc. for Human Factors Fatigue Research | | 1/5/2021 | Non-Reimbursable | \$520,670 | ARC | SAA2-403013 |
| 201 | 21987 | ANRA Technologies, LLC | Nonreimbursable Space Act Agreement between ANRA Technologies, LLC and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 12/17/2015 | 12/17/2020 | Non-Reimbursable | \$1,000 | ARC | SAA2-403088 |
| 202 | 21986 | Intel Corporation | Nonreimbursable Space Act Agreement between Intel Corporation and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 12/17/2015 | 12/17/2020 | Non-Reimbursable | \$100,162 | ARC | SAA2-403084 |
| 203 | 21985 | Aerotas | Nonreimbursable Space Act Agreement between Aerotas and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aerial Systems Traffic Management | 12/17/2015 | 12/17/2020 | Non-Reimbursable | \$100,162 | ARC | SAA2-403089 |

| 204 | 21817 | United Launch Alliance | Reimbursable Umbrella Space Act Agreement between the Natio | 11/23/2015 | 11/23/2020 | Reimbursable | - ARC | SAA2-403047 |
|-----|-------|--|---|------------|------------|----------------------------|-------|-------------|
| 205 | 21589 | Higher Ground LLC | Nonreimbursable Space Act Agreement between Higher Ground LLC and the National Aeronautics and Space Adminstration, Ames Research Center for Unmanned Aerial Systems Traffic Management | | 10/27/2020 | Non-Reimbursable \$267,927 | 'ARC | SAA2-403043 |
| 206 | 18643 | National Center for Atmospheric Research | Memorandum of Agreement with University Corporation for Atmo | 8/15/2006 | 8/15/2021 | Non-Reimbursable | - ARC | SAA2-402003 |
| 207 | 17091 | CITY OF SUNNYVALE | Lease Agreement - Sunnyvale Golf Course | 5/24/2002 | 5/24/2022 | Reimbursable | - ARC | SAA2-401308 |
| 208 | 16543 | UNIVERSITY OF CINCINNATI | Nonreimbursable Umbrella Space Act Agreement between Unive | 11/6/2013 | 11/6/2023 | Non-Reimbursable | - ARC | SAA2-402808 |
| 209 | 15238 | US Airways, Inc. | Nonreimbursable Space Act Agreement Between US Airways Inc | 4/23/2013 | 4/23/2021 | Non-Reimbursable | - ARC | SAA2-402733 |

| 210 10780 | Palo Alto Humane Society | Nonreimbursable Space Act Agreement between Palo Alto Huma 9/22/2011 | 9/22/2021 | Non-Reimbursable | ARC | SAA2-402649 |
|-----------|---|---|-----------|------------------|-----|-------------|
| 211 10122 | Lockheed Martin Aeronautics Company | Reimbursable Umbrella Space Act Agreement between Lockheed 7/12/2011 | 7/12/2021 | Reimbursable | ARC | SAA2-402632 |
| 212 9725 | Southwest Airlines Company | Nonreimbursable Space Act Agreement between Southwest Airlir 5/4/2011 | 9/2/2021 | Non-Reimbursable | ARC | SAA2-402534 |
| 213 8797 | SETI Institute | Nonreimbursable Space Act Agreement between NASA Ames Re 12/6/2005 | 12/6/2020 | Non-Reimbursable | ARC | SAA2-401923 |
| 214 6154 | County of Santa Clara Office of the Sheriff | Reimbursable Space Act Agreement Between County of Santa C 5/1/2009 | 9/30/2020 | Reimbursable | ARC | SAA2-402499 |
| 215 4900 | AMES CHILD CARE CENTER | Nonreimbursable Space Act Agreement Between NASA Ames Re 5/19/2005 | 3/31/2021 | Non-Reimbursable | ARC | SAA2-401816 |

| 216 | 32535 | ZIN TECHNOLOGIES, INC | Use of Unique NASA Facilities: Electromagnetic Interference Lal | 8/12/2020 | 8/12/2023 | Reimbursable | GRC | SAA3-1662-1 |
|-----|-------|---------------------------------------|--|-----------|-----------|---------------------------|-----|-------------|
| 217 | 32534 | ZIN TECHNOLOGIES, INC | Use of Unique NASA Facilities (EMI Lab, SDL, TVAC) | 8/11/2020 | 8/11/2025 | Reimbursable | GRC | SAA3-1662 |
| 218 | 32526 | Emergency Products and Research, Inc. | COVID-19: Technical Expertise and Test Data Analysis for Emergency Products and Research, Inc. | 4/24/2020 | 4/24/2022 | Non-Reimbursable \$52,368 | GRC | SAA3-1654 |
| 219 | 32398 | University Hospitals of Cleveland | COVID-19 Sterilization of Personal Protective Equipment | 4/2/2020 | 4/2/2022 | Non-Reimbursable \$81,654 | GRC | SAA3-1653 |
| 220 | 31980 | BLUE ORIGIN, LLC | Demonstration of Pre-Environmental Testing of Fairing Compone | 8/7/2020 | 8/7/2022 | Reimbursable | GRC | SAA3-1609-2 |
| 221 | 31604 | Epic Aircraft , LLC | Ice Protection System Development Activities for Epic Aircraft | 3/2/2020 | 3/2/2022 | Reimbursable | GRC | SAA3-1650 |

| 222 | 31589 | Southwest Research Institute | Great Horned Owl Demonstration and Validation Program with Southwest Research Institute | 5/13/2020 | 5/13/2023 | Non-Reimbursable \$21,468 | 3 GRC | SAA3-1658 |
|-----|-------|---|---|-----------|-----------|---------------------------|-------|--------------|
| 223 | 31584 | The Charles Stark Draper Laboratory, Inc. | Collaborative Development of High Temperature SiC Electronics | 1/15/2020 | 1/15/2022 | Reimbursable | - GRC | SAA3-1646 |
| 224 | 31550 | Scott Schlessman | Farmer Lease for Agricultural Purpose Parcel K | 4/15/2019 | 4/14/2024 | Reimbursable | - GRC | PBS2019SS004 |
| 225 | 31546 | Rockwell Farms LLC | Farmer Lease for Agricultural Purposes Parcel M | 4/15/2019 | 4/14/2024 | Reimbursable | - GRC | PBS2019RF005 |
| 226 | 31544 | Krueger Farms, LLC | Farmer Lease for Agricultural Purposes Parcel C | 4/15/2019 | 4/14/2024 | Reimbursable | - GRC | PBS2019KF001 |
| 227 | 31542 | David & Mary K. Schlessman | Farmer Lease for Agricultural Purposes Parcel J | 4/15/2019 | 4/14/2024 | Reimbursable | - GRC | PBS2019DM003 |

| 228 31540 | DMS Farms, Ltd | Farmer Lease for Agricultural Purposes Parcel G | 4/15/2019 | 4/14/2024 | Reimbursable | GRC | PBS2019DM002 |
|-----------|---|--|------------|------------|------------------|---------------|--------------|
| 229 31407 | OHIO DEPARTMENT OF NATURAL RESOURCES | A Series of Public Deer Hunts at Plum Brook Station | 11/15/2019 | 11/15/2024 | Non-Reimbursable | \$167,603 GRC | SAA3-1632 |
| 230 31374 | GE Research | COLLABORATIVE DEVELOPMENT OF FINITE ELEMENT HPC MULTISCALE MODELING FRAMEWORK | 4/30/2020 | 4/30/2024 | Non-Reimbursable | \$157,736 GRC | SAA3-1656 |
| 231 31344 | GREAT LAKES SCIENCE CENTER | The Official NASA Glenn Visitor Center | 9/30/2019 | 9/30/2029 | Non-Reimbursable | \$0 GRC | SAA3-1630 |
| 232 31247 | Terves Inc. | Technical Expertise Space Act Agreement for Terves, LLC. | 12/10/2019 | 12/10/2021 | Non-Reimbursable | \$7,099 GRC | SAA3-1643 |
| 233 31246 | Applied Sciences, Inc. | Technical Expertise Space Act Agreement for Applied Sciences | 11/6/2019 | 11/6/2021 | Non-Reimbursable | \$6,960 GRC | SAA3-1638 |

| 234 | 31245 | SafeLi Materials | Technical Expertise Space Act Agreement for SafeLi Materials | 10/29/2019 | 10/29/2021 | Non-Reimbursable \$6,91 | 0 GRC | SAA3-1635 |
|-----|-------|--------------------------------------|--|-------------|------------|-------------------------|-------|-------------|
| 235 | 31132 | Acme Express, Inc. | Technical Expertise Space Act Agreement for Acme Express, Inc. | 10/19/2019 | 10/19/2021 | Non-Reimbursable \$7,12 | 2 GRC | SAA3-1633 |
| 236 | 31055 | Launchspace Technologies Corporation | Aerogel Material for Orbital Debris Capture | 4/30/2020 | 4/30/2021 | Reimbursable | GRC | SAA3-1655 |
| 237 | 30757 | Aerojet Rocketdyne, Inc. | Annex No. 1 under Aerojet Rocketdyne, Inc. Umbrella Agreemen | 111/18/2019 | 11/18/2020 | Reimbursable | GRC | SAA3-1639-1 |
| 238 | 30756 | Aerojet Rocketdyne, Inc. | Upper Stage Engine Manufacturing, Testing, and Evaluation Umb | 11/18/2019 | 11/18/2024 | Reimbursable | GRC | SAA3-1639 |
| 239 | 30422 | Innoveering, LLC | High-Speed Inlet Testing in NASA's ERB-1NW Wind Tunnel | 10/29/2019 | 8/29/2021 | Reimbursable | GRC | SAA3-1636 |

| 240 30403 | Parker Hannifin Corporation | CAS HEATheR Motor Design | 11/6/2019 | 2/5/2021 | Non-Reimbursable | \$8,241 GRC | SAA3-1637 |
|-----------|---------------------------------|---|-----------|-----------|------------------|---------------|-----------|
| 241 30392 | Rocky River Wastershed Council | Restoring Lower Abram Creek at NASA Glenn Research Center | 6/24/2019 | 6/24/2024 | Non-Reimbursable | \$3,302 GRC | SAA3-1615 |
| 242 30296 | ANSYS Inc. | Collaboration on Icing Simulation Software Development | 1/27/2020 | 1/27/2024 | Non-Reimbursable | \$114,343 GRC | SAA3-1647 |
| 243 30295 | THE BOEING COMPANY | Collaborative Icing Research, Simulation Tool Development and Testing Opportunities | 3/12/2020 | 3/12/2023 | Non-Reimbursable | \$59,152 GRC | SAA3-1652 |
| 244 30279 | University of Chicago | Vaporization of CMAS | 9/30/2019 | 3/30/2021 | Non-Reimbursable | \$8,669 GRC | SAA3-1631 |
| 245 30155 | United Technologies Corporation | HEATheR Thermal Management Systems Modeling | 1/13/2020 | 1/13/2022 | Non-Reimbursable | \$8,655 GRC | SAA3-1645 |

| 246 30133 | CEDAR POINT AMUSEMENT PARK | Math and Science Week Events at Cedar Point Amusement Park | 5/20/2019 | 5/20/2022 | Non-Reimbursable | \$66,429 GRC | SAA3-1611 |
|-----------|-----------------------------------|--|-----------|-----------|------------------|---------------|-----------|
| 247 29849 | GENERAL ATOMICS AERONAUTICAL SYST | Ice Shape Investigations for General Atomics | 5/13/2019 | 5/13/2022 | Reimbursable | GRC | SAA3-1607 |
| 248 29566 | A&P Technology, Inc. | Dynamic Energy Absorption in Braided Composite Materials with A and P Technology, Inc. | 6/11/2019 | 6/1/2024 | Non-Reimbursable | \$276,623 GRC | SAA3-1612 |
| 249 29559 | LOCKHEED MARTIN | Combined-Cycle Engine Large-scale Inlet Mode Transition (CCE LIMX) CFD Studies | 4/2/2019 | 4/2/2022 | Non-Reimbursable | \$17,080 GRC | SAA3-1601 |
| 250 29551 | SureFly, Inc. | Acoustic Measurements on electrified Vertical Take-Off and Landing Urban Air Mobility Vehicle with SureFly, Inc. | 8/16/2019 | 8/16/2022 | Non-Reimbursable | \$354,701 GRC | SAA3-1597 |
| 251 29266 | Ohio Aerospace Institute | Strategic Technology Partnership with OAI | 4/24/2019 | 4/24/2021 | Non-Reimbursable | \$85,466 GRC | SAA3-1605 |

| 252 29243 | Orleans Niagara Board of Cooperative Educational Services | High School Students United with NASA to Create Hardware (HUNCH) | 7/14/2017 | 7/14/2022 | Non-Reimbursable | \$149,717 GRC | SAA3-1520 |
|-----------|--|--|---------------|------------|------------------|-----------------|-----------|
| 253 28854 | California Institute of Technology | Failure Analysis of Modified Environmental Barrier Coatings (EBC) | 3/6/2019 | 3/6/2022 | Non-Reimbursable | \$14,614 GRC | SAA3-1599 |
| 254 28821 | Ozark Integrated Circuits, Inc. | Testing of Extreme High Temperature Capable SiC Integrated C | iı 10/22/2018 | 10/22/2021 | Reimbursable | GRC | SAA3-1581 |
| 255 28807 | Invercon LLC | Ice Protection System Development Activities | 10/3/2018 | 10/3/2020 | Reimbursable | GRC | SAA3-1577 |
| 256 28651 | UNIVERSITY OF CINCINNATI | HABSat-2 – Harmful Algal Bloom Satellite 2 with the University of Cincinnati | 6/11/2019 | 6/11/2022 | Non-Reimbursable | \$74,976 GRC | SAA3-1613 |
| 257 28638 | GENERAL ELECTRIC COMPANY | Electrified Aircraft Propulsion (EAP) Powertrain Component Testing | 9/14/2018 | 2/28/2022 | Non-Reimbursable | \$1,963,492 GRC | SAA3-1573 |

| 258 | 28235 | Textron Aviation, Inc. | Ice Protection System Development Activities for Textron Aviation | 2/27/2019 | 2/27/2021 | Reimbursable | GRC | SAA3-1598 |
|-----|-------|------------------------|---|------------|------------|--------------|-----|-------------|
| 259 | 28231 | Ophir Corporation | Icing Test Activities for Ophir Corporation | 10/15/2018 | 10/15/2020 | Reimbursable | GRC | SAA3-1579 |
| 260 | 28214 | ROLLS-ROYCE CORP | Silicon Carbide Fiber High Temperature Characterization | 1/14/2020 | 1/14/2024 | Reimbursable | GRC | SAA3-1606-1 |
| 261 | 28213 | ROLLS-ROYCE CORP | Testing and Analysis of Advanced Turbine Engine Materials, Stru | 1/14/2020 | 1/14/2025 | Reimbursable | GRC | SAA3-1606 |
| 262 | 28172 | BLUE ORIGIN, LLC | Environmental Testing for Fairing Deployment at Plum Brook Sta | 15/20/2019 | 5/20/2024 | Reimbursable | GRC | SAA3-1609-1 |
| 263 | 28171 | BLUE ORIGIN, LLC | Environmental Testing at Plum Brook Station | 5/20/2019 | 5/20/2024 | Reimbursable | GRC | SAA3-1609 |

| 264 28028 | The Boeing Company | High Ice Water Content Radar II Flight Campaign Support 5/13/2019 | 5/13/2022 | Non-Reimbursable | \$17,750 GRC | SAA3-1608 |
|-----------|--|---|------------|------------------|---------------|----------------|
| 265 27984 | Orbital Sciences Corporation, a wholly owned | Annex No. 6 under the Cryogenically - Fueled Upper Stage Techr 12/14/2018 | 12/14/2022 | Reimbursable | GRC | SAA8-1726082.6 |
| 266 27832 | UNIVERSITY OF WASHINGTON | Collaborative Swept-Wing Aircraft Icing Research with University of Washington | 11/5/2020 | Non-Reimbursable | \$24,481 GRC | SAA3-1585 |
| 267 27738 | GENERAL ELECTRIC COMPANY | GE Aviation Low Pressure Ratio Fan and Inlet Technology Test 6/26/2019 | 6/26/2022 | Reimbursable | GRC | SAA3-1587 |
| 268 27654 | ORBITAL Sciences Corp. | Annex No. 2 for the Umbrella Agreement Cryogenically - Fueled L 5/11/2018 | 5/11/2021 | Reimbursable | GRC | SAA8-1726082.2 |
| 269 27606 | THE BOEING COMPANY | Shape Memory Alloy Reconfigurable Technology - Vortex Generator (SMART-VG) with The Boeing Company 12/6/2018 | 12/6/2021 | Non-Reimbursable | \$184,268 GRC | SAA3-1589 |

| 270 27430 | WOODWARD FST, INC | Fundamental Testing of Advanced SV-LDI Low-Emissions Fuel-Air Mixers | 10/22/2018 | 10/22/2021 | Non-Reimbursable | \$287,914 GRC | SAA3-1580 |
|-----------|--|---|------------|------------|------------------|-----------------|-----------|
| 271 27174 | GENERAL ELECTRIC COMPANY | GE Low Pressure Ratio Fan Test | 3/28/2019 | 3/28/2024 | Non-Reimbursable | \$5,452,479 GRC | SAA3-1588 |
| 272 26982 | Kettering City Schools | NASA HUNCH (High school students United with NASA to Create Hardware) | 3/14/2018 | 3/14/2023 | Non-Reimbursable | \$97,136 GRC | SAA3-1545 |
| 273 26825 | ASM INTERNATIONAL | Material Data Management Consortium with ASM International | 3/27/2018 | 3/27/2022 | Reimbursable | GRC | SAA3-1550 |
| 274 26750 | The University of Tulsa | Cognitive Multiple User Free Space Optical Link Study - TU | 1/7/2018 | 1/7/2022 | Non-Reimbursable | \$17,702 GRC | SAA3-1532 |
| 275 26450 | Genesee Valley Educational Partnership | NASA HUNCH (High school students United with NASA to Create Hardware) | 5/6/2018 | 5/6/2023 | Non-Reimbursable | \$97,136 GRC | SAA3-1564 |

| 276 26343 | J.I. Case High School | NASA HUNCH (High school students United with NASA to Create Hardware) | 3/14/2018 | 3/14/2023 | Non-Reimbursable | \$91,486 GRC | SAA3-1547 |
|-----------|--|---|------------|-----------|------------------|--------------|---------------|
| 277 26342 | North Ridgeville High School | NASA HUNCH (High school students United with NASA to Create Hardware) | 3/27/2018 | 3/27/2023 | Non-Reimbursable | \$97,136 GRC | SAA3-1554 |
| 278 26341 | PLATTEVILLE HIGH SCHOOL | NASA HUNCH (High school students United with NASA to Create Hardware) | 4/22/2018 | 4/22/2023 | Non-Reimbursable | \$92,620 GRC | SAA3-1560 |
| 279 25538 | Cattaraugus-Allegany Board of Cooperative Educational Services | NASA HUNCH (High school students United with NASA to Create Hardware) | 3/27/2018 | 3/27/2023 | Non-Reimbursable | \$91,486 GRC | SAA3-1553 |
| 280 25470 | LOCKHEED MARTIN | Annex No. 08 under SAA2-402632 for Demonstration of a Nozzl | €8/23/2017 | 7/12/2021 | Reimbursable | GRC | SAA2-402632-8 |
| 281 25419 | The Water Council | NASA GRC-TWC Water Initiative Activities | 10/4/2017 | 10/4/2020 | Non-Reimbursable | \$52,295 GRC | SAA3-1524 |

| 282 25289 | East Troy Community School District | NASA HUNCH (High school students United with NASA to Create Hardware) | 3/14/2018 | 3/14/2023 | Non-Reimbursable | \$92,620 GRC | SAA3-1546 |
|-----------|-------------------------------------|---|-----------|-----------|------------------|---------------|-----------|
| 283 24838 | Global Energy Corporation | Development and Testing of a High Power Space Generator | 1/7/2018 | 1/7/2023 | Reimbursable | GRC | SAA3-1529 |
| 284 24459 | ZIN TECHNOLOGIES, INC | Use of Unique NASA Facilities (EMI Lab, TSC, 1K Clean room) | 3/5/2018 | 3/5/2023 | Reimbursable | GRC | SAA3-1539 |
| 285 23602 | Lorain County Community College | NASA GRC and LCCC Kiosk Pilot Project | 9/19/2016 | 9/19/2021 | Non-Reimbursable | \$14,442 GRC | SAA3-1481 |
| 286 23430 | American Technical Coatings, Inc. | Ballistic Radome Development | 5/11/2017 | 9/30/2020 | Reimbursable | GRC | SAA3-1513 |
| 287 23054 | University of Notre Dame | Collaborative Research Activities Using the Advanced Noise Control Fan (ANCF) Test Rig for Science, Technology, Engineering and Math (STEM) Education | 8/9/2016 | 8/9/2021 | Non-Reimbursable | \$237,087 GRC | SAA3-1482 |

| 288 | 22817 | Pennsylvania State University Applied Research Laboratory | High-Speed Gear Studies | 11/29/2016 | 11/29/2021 | Non-Reimbursable | \$431,929 | GRC | SAA3-1495 |
|-----|-------|--|---|------------|------------|------------------|-----------|-----|-----------|
| 289 | 22557 | University Circle Inc | University Circle Inc Future Connections Partnership for STEM Students | 5/31/2016 | 5/31/2021 | Non-Reimbursable | \$13,663 | GRC | SAA3-1470 |
| 290 | 22356 | Orbital Sciences Corporation | NASA Research Announcement: NNH15ZOA001N: Public Private Partnership for Robotic In-Space Manufacturing and Assembly of Spacecraft and Space Structures | 10/3/2016 | 10/3/2021 | Non-Reimbursable | \$131,737 | GRC | SAA3-1491 |
| 291 | 22172 | University of Missouri at Columbia | Measurement of Desorption of Strontium and Cesium from Graph | ·6/18/2016 | 5/15/2021 | Reimbursable | | GRC | SAA3-1474 |
| 292 | 22135 | Cleveland Clinic Foundation | Immersive Environment Support for Motor Imagery Training | 4/25/2016 | 4/22/2021 | Reimbursable | | GRC | SAA3-1468 |
| 293 | 22050 | The Goodyear Tire & Rubber Company | Performance Testing of Airless Tires in the SLOPE Lab | 11/29/2016 | 11/29/2020 | Reimbursable | | GRC | SAA3-1498 |

| 294 21977 | Aerojet Rocketdyne, Inc. | Announcement of Collaborative Opportunity (ACO) solicitation, (ANNOUNCEMENT NUMBER: NNH15ZOA001K) "Utilizing Public-Private Partnerships to Advance Emerging Space Technology System Capabilities." COLLABORATIVE DEVELOPMENT, ENGINEERING, AND TESTING OF VARIOUS SPACE-RELATED TECHNOLOGIES | 5/5/2016 | 5/5/2021 | Non-Reimbursable | \$939,371 GRC | SAA3-1452 |
|-----------|-----------------------------------|---|--------------|-----------|------------------|-----------------|-----------|
| 295 21883 | United Technology Research Center | High Efficiency Centrifugal Compressor Diffuser Redesign and Test | 7/27/2016 | 7/27/2021 | Non-Reimbursable | \$2,907,687 GRC | SAA3-1472 |
| 296 21805 | Sinclair Community College | Umbrella Agreement with Sinclair Community College for Unmanned Aircraft Systems Research | 6/18/2016 | 6/18/2021 | Non-Reimbursable | \$0 GRC | SAA3-1475 |
| 297 21691 | Hathaway Brown School | STEM Collaboration with Hathaway Brown School | 4/25/2016 | 4/25/2021 | Reimbursable | GRC | SAA3-1466 |
| 298 21329 | Case Western Reserve University | Development of Real-Time Particulate and Toxic-Gas Sensors for | o 11/20/2015 | 4/25/2022 | Reimbursable | GRC | SAA3-1435 |
| 299 20864 | Lewis Little Folks, Incorporated | Lewis Little Folks Space Act Agreement | 7/11/2017 | 7/11/2022 | Non-Reimbursable | \$493,128 GRC | SAA3-1494 |

| 300 | 20780 | Friends of NASA Plum Brook Station, LLC | Plum Brook Station Entry Monument Sign | 3/19/2018 | 3/19/2023 | Non-Reimbursable \$ | 5,452 | GRC | SAA3-1544 |
|-----|-------|---|---|------------|------------|----------------------|-------|------|---------------------|
| 301 | 20627 | General Electric Global Research | Propulsion, Power, Materials and Structures for Advanced Aerona | 12/15/2015 | 12/15/2020 | Reimbursable | | GRC | SAA3-1437 |
| 302 | 19638 | The Nature Conservancy | Cooperative Habitat Management of NASA Plum Brook Station | 10/19/2015 | 10/19/2020 | Non-Reimbursable \$8 | 8,676 | GRC | SAA3-1432 |
| 303 | 18296 | The Pennsylvania State University | Umbrella Agreement for Icing Physics Fundamental Studies. | 12/11/2015 | 12/11/2020 | Non-Reimbursable | \$0 | GRC | SAA3-1436 |
| 304 | 32879 | JOHNS HOPKINS UNIVERSITY / APPLIED PI | AUGMENTED REALITY AND VIRTUAL REALITY DEVELOPME | 8/13/2010 | 8/13/2023 | Non-Reimbursable | | GSFC | SAA5-20-3-N32879 |
| 305 | 32506 | First RF Corporation | Identifying Sensor Parameter with the Use of Simulations | 8/14/2020 | 5/13/2021 | Reimbursable | | GSFC | NASA-First RF-32506 |

| 306 32490 | THE UNIVERSITY OF NORTH TEXAS | AUGMENTED REALITY AND VIRTUAL REALITY DEVELOPMENT FOR NASA SCIENCE AND ENGINEERING | 6/10/2020 | 6/10/2023 | Non-Reimbursable | \$16,800 GSFC | SAA5-20-3-N32490 |
|-----------|--|---|-------------|------------|------------------|----------------|------------------|
| 307 31605 | Earth Networks, Inc. | INFORMATION AND DATA EXCHANGE RELATED TO THE GLOBE PROGRAM | 4/29/2020 | 4/29/2025 | Non-Reimbursable | \$17,600 GSFC | SAA5-20-2-N31605 |
| 308 31591 | UNIVERSITY OF MARYLAND COLLEGE PARK | AUGMENTED REALITY AND VIRTUAL REALITY DEVELOPMENT FOR NASA SCIENCE AND ENGINEERING | 9/24/2020 | 9/24/2023 | Non-Reimbursable | \$16,800 GSFC | SAA5-20-1-N31591 |
| 309 31191 | NORTHROP GRUMMAN | ACCESS AND USE OF GSFC ENVIRONMENTAL TEST AND I | N 6/16/2020 | 6/15/2025 | Reimbursable | GSFC | SAA5-19-4-R31191 |
| 310 31175 | Walgreen Company | NASA GSFC Non-Occupational fee-based influenza clinic | 11/12/2019 | 11/12/2024 | Non-Reimbursable | \$420,000 GSFC | |
| 311 31033 | Women's National Basketball Players Association | COLLABORATION ON AWARENESS OF NASA TECHNOLOGIES FOR ENTREPRENEURIAL OPPORTUNITIES | 10/3/2019 | 10/3/2022 | Non-Reimbursable | \$112,500 GSFC | SAA5-19-4-N31033 |

| 312 | 30946 | NORTHROP GRUMMAN | Fiber Optic Cable Testing Activities | 8/18/2020 | 2/17/2022 | Reimbursable | GSFC | SAA5-2020-1-R30946 |
|-----|-------|---|--|------------|------------|--------------|------|--------------------|
| 313 | 30569 | THE JOHNS HOPKINS UNIVERSITY | Fabricating cryogenic detectors for cosmic microwave backgroun | 9/18/2019 | 12/18/2021 | Reimbursable | GSFC | SAA5-19-4-R30569 |
| 314 | 30478 | THE TRUSTEES OF COLUMBIA UNIVERSITY | Development of Teaching Activities | 8/29/2019 | 8/29/2024 | Reimbursable | GSFC | CU-NASA-30478 |
| 315 | 29854 | Ball Aerospace and Technology Corporation | HIGH ACCURACY, CRYOGENIC, REFRACTIVE INDEX MEASL | 5/16/2019 | 4/26/2021 | Reimbursable | GSFC | SAA5-2019-2-R29854 |
| 316 | 29833 | DIGITALGLOBE, INC | CONJUNCTION ASSESSMENT SCREENING SERVICES | 9/11/2019 | 9/11/2024 | Reimbursable | GSFC | SAA5-19-2-R-29833 |
| 317 | 29744 | BALL CORP | GMI Bearing Life Test | 10/31/2019 | 10/31/2020 | Reimbursable | GSFC | SAA5-19-2R29744 |

| 318 29494 | SPACE TELESCOPE SCIENCE INSTITUTE | Loan of Touch Screen System for Display of Science Information | 2/13/2019 | 2/13/2021 | Non-Reimbursable | \$1,000 GSFC | 29494 |
|-----------|---|---|-----------|-----------|------------------|----------------|--------------------|
| 319 29201 | National Basketball Players Association | COLLABORATION ON AWARENESS OF NASA TECHNOLOGIES FOR ENTREPRENEURIAL OPPORTUNITIES | 4/30/2019 | 4/30/2022 | Non-Reimbursable | \$112,600 GSFC | SAA5-19-1-N29201 |
| 320 28411 | | COLLABORATION ON AWARENESS OF NASA TECHNOLOGIES FOR ENTREPRENURIAL OPPORTUNITIES | 9/14/2018 | 9/14/2023 | Non-Reimbursable | \$112,600 GSFC | SAA5-18-3-N28411 |
| 321 27110 | | AUGMENTED REALITY AND VIRTUAL REALITY PILOT PROGRAM DEVELOPMENT | 4/18/2018 | 4/18/2021 | Non-Reimbursable | \$66,000 GSFC | SAA5-18-01-N27110 |
| 322 25933 | INSTITUTE FOR LOCAL INNNOVATIONS, INC | IDENTIFYING AND ESTABLISHING TECHNOLOGY TRANSFER OPPORTUNITIES AND COLLABORATIONS | 10/2/2017 | 10/2/2022 | Non-Reimbursable | \$8,700 GSFC | SAA5-17-3-N25933 |
| 323 25689 | | COLLABORATION TO COMMERCIALIZE NASA TECHNOLOGIES | 5/15/2018 | 5/13/2025 | Non-Reimbursable | \$274,400 GSFC | SAA5-2017-3-N25689 |

| 324 25423 | Bowie State University | Augmented Reality and Virtual Reality Pilot Program Development | 2/27/2018 | 2/27/2021 | Non-Reimbursable | \$66,000 GSFC | SAA5-17-02-N25423 |
|-----------|---|---|-----------|------------|------------------|---------------|-------------------|
| 325 24956 | UNIVERSITY OF PITTSBURGH | ON-ORBIT RADIATION HARDENED BY SOFTWARE TECHNOLOGY RESEARCH | 2/27/2018 | 2/27/2021 | Non-Reimbursable | \$12,360 GSFC | SAA5-17-02-N24956 |
| 326 24841 | Society of Photo-Optical Instrumentation Engineers (SPIE) | Editor-in-Chief for Journal of Astronomical Telescopes, Instruments and Systems | 1/24/2017 | 1/23/2023 | Non-Reimbursable | \$17,033 GSFC | 600-17-24841 |
| 327 24469 | The Hollywood Black Film Festival | THE PRODUCTION OF NASA THEMED SCIENCE FICTION FILM CONCEPTS | 1/23/2017 | 1/23/2022 | Non-Reimbursable | \$8,700 GSFC | SAA5-17-1-N24469 |
| 328 23781 | Arizona Board of Regents for and behalf of Ari | Mars Atmospheric Infrared Data Analysis | 6/27/2017 | 6/26/2021 | Reimbursable | GSFC | 23781 |
| 329 23738 | The Trustees of Columbia University in the City of New York | Joint Collaborative Framework for Climate and Space Studies | 5/29/2015 | 11/30/2020 | Non-Reimbursable | \$10,500 GSFC | SAA-15-27264 |

| 330 23698 | Brigham Young University | ON-ORBIT RADIATION HARDENED BY SOFTWARE TECHNOLOGY RESEARCH | 2/13/2017 | 2/13/2022 | Non-Reimbursable | \$10,519 GSFC | SAA5-16-03-N23698 |
|-----------|--|--|------------|------------|------------------|----------------|--------------------|
| 331 23253 | Michael Ansel Brown Jr. | Commercialization Of NASA Developed Technologies By The US Veteran Community | 9/29/2017 | 9/29/2020 | Non-Reimbursable | \$101,100 GSFC | SAA5-2016-3-N23253 |
| 332 22549 | University of North Carolina Wilmington | IMPLEMENTATION AND OPERATION OF THE SUSTAINED OCEAN COLOR OBSERVATIONS WITH NANOSATELLITES (SOCON) PROJECT | 6/1/2017 | 6/1/2022 | Non-Reimbursable | \$160,000 GSFC | 450-AGMT-0149 |
| 333 22332 | LAWRENCE LIVERMORE NATIONAL SECURITY, LLC | Space-Based Measurements for Applied and General Research in Earth Science | 12/6/2018 | 12/5/2021 | Non-Reimbursable | \$789,654 GSFC | 600-18-22332-LLNL |
| 334 21633 | Space Exploration Technologies Corp. | Spacecraft RF Compatibility Testing | 8/23/2016 | 8/23/2021 | Reimbursable | GSFC | 450-AGMT-0139 |
| 335 20729 | United Launch Alliance, LLC | TDRS Services for Launch Vehicles | 11/13/2015 | 11/13/2020 | Reimbursable | GSFC | 450-AGMT-0138 |

| 336 | 18544 | Virginia Commercial Space Flight Authority | Construction and Operation of Unmanned Aerial System (UAS) Runway on Wallops Island | 10/1/2015 | 10/1/2020 | Non-Reimbursable | \$1,715,150 | GSFC | |
|-----|-------|--|---|-----------|-----------|------------------|-------------|------|-----------------|
| 337 | 14465 | Simons Foundation | Origins of Life Studies | 4/30/2013 | 9/30/2023 | Reimbursable | | GSFC | SAA-13-14465 |
| 338 | 7533 | Tom Doherty Associates LLC | PUBLICATION OF NASA THEMED WORKS OF FICTION | 7/6/2011 | 7/6/2021 | Non-Reimbursable | | GSFC | SAA5-10-3-N7533 |
| 339 | 33335 | Arizona State University | Lucy in Space Grade 6-12 Contest | 9/23/2020 | 11/5/2021 | Non-Reimbursable | \$40,000 | НQ | |
| 340 | 32858 | Microsoft Corporation | Annex 9 to Non-Reimbursable Space Act Umbrella Agreement between the National Aeronautics and Space Administration Lyndon B. Johnson Space Center and Microsoft Corporation for Strategic Alliance for STEM Education Activities | 2/6/2018 | 2/5/2023 | Non-Reimbursable | \$35,250 | HQ | SAA-AD-18-26048 |
| 341 | 32857 | STEM Next Opportunity Fund | For the STEM Next Million Girls Moonshot Initiative | 8/27/2020 | 8/27/2022 | Non-Reimbursable | \$95,500 | HQ | 32856 |

| 342 32856 | STEM Next Opportunity Fund | Increasing Access to STEM Engagement and STEM Education Opportunitites and Experiences | 8/27/2020 | 8/27/2025 | Non-Reimbursable | \$95,500 HQ | 32856 |
|-----------|--------------------------------|--|------------|------------|------------------|----------------|--------------|
| 343 32204 | LOCKHEED MARTIN | Autonomous Avionics for Risk Reduction Activities | 6/1/2020 | 6/1/2021 | Non-Reimbursable | \$141,909 HQ | |
| 344 31562 | U.S. SATELLITE LABORATORY, INC | Collaboration on the Endeavor Science Teaching Certificate Project | 12/18/2019 | 12/18/2024 | Non-Reimbursable | \$100,350 HQ | |
| 345 31561 | U.S. SATELLITE LABORATORY, INC | Collaboraton on Endeavor Science Teacher Certificate Project and STEM Engagement Activities | 12/18/2019 | 12/18/2024 | Non-Reimbursable | \$100,350 HQ | |
| 346 30979 | Spirit AeroSystems Inc | NRSAA Between NASA and Spirit AeroSystems Inc Under the Space Technology Announcement of Competitive Opportunity 2019, Improved Durability for a Low-Cost Reusable Launch Vehicle Manufactured via Friction Stir Welding | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$1,143,287 HQ | ACO-2019-070 |
| 347 30978 | Vulcan Wireless | NRSAA Between NASA and Vulcan Wireless Inc Under the Space Technology Announcement of Competitive Opportunity 2019, Resilience testing of Multi-Mode S-Band Transponder | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$850,000 HQ | ACO-2019-061 |

| 348 30977 | SPACE EXPLORATION TECHNOLOGIES CORP | NRSAA Between NASA and SpaceX Under the Space Technology Announcement of Competitive Opportunity 2019, Cryogenic Fluid Transfer Technology Demonstration: Technical Assessment and Concept of Operations Definition | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$720,529 HQ | ACO-2019-058 |
|-----------|-------------------------------------|---|-----------|-----------|------------------|----------------|--------------|
| 349 30976 | BLUE ORIGIN, LLC | NRSAA Between NASA and Blue Origin Under the Space Technology Announcement of Competitive Opportunity 2019, Lunar Lander Advanced Nozzle Collaboration | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$1,229,980 HQ | ACO-2019-053 |
| 350 30975 | BLUE ORIGIN, LLC | NRSAA Between NASA and Blue Origin Under the Space Technology Announcement of Competitive Opportunity 2019, Precision Safe Lunar Landing System Development | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$995,580 HQ | ACO-2019-051 |
| 351 30974 | BLUE ORIGIN, LLC | NRSAA Between NASA and Blue Origin Under the Space Technology Announcement of Competitive Opportunity 2019, Primary Fuel Cell Power System for Lunar Landers | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$1,095,554 HQ | ACO-2019-050 |
| 352 30972 | Colorado Power Electronics Inc. | NRSAA Between NASA and Colorado Power Electronics Inc Under the Space Technology Announcement of Competitive Opportunity 2019, Qualification and Integration Tests of the Colorado Power Electronics Prototype Development Unit Power Processing Unit with NASA and Commercial Hall Thrusters | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$1,088,855 HQ | ACO-2019-025 |
| 353 30971 | SPACE EXPLORATION TECHNOLOGIES CORP | NRSAA Between NASA and Space Exploration Technologies (SpaceX) Under the Space Technology Announcement of Competitive Opportunity 2019, Development of Large Vehicle Landing Surface Interaction and In-Situ Resource Based Risk Mitigation | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$1,098,078 HQ | ACO-2019-059 |

| 354 | 30968 | LOCKHEED MARTIN | NRSAA Between NASA and Lockheed Martin Under the Space Technology Announcement of Competitive Opportunity 2019, Integration of Autonomous Robotics for Plant-Based Systems in Deep Space | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$148,733 | HQ | ACO-2019-077 |
|-----|-------|-------------------------|--|-----------|-----------|------------------|-------------|----|--------------|
| 355 | 30967 | LOCKHEED MARTIN | NRSAA Between NASA and Lockheed Martin Under the Space Technology Announcement of Competitive Opportunity 2019, Advanced Lightweight Powder Metallurgy for Hot Structures | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$991,437 | НQ | ACO-2019-075 |
| 356 | 30963 | SIERRA NEVADA CORP | NRSAA Between NASA and Sierra Nevada Corporation Under the Space Technology Announcement of Competitive Opportunity 2019, Upper Stage Recovery | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$282,413 | НQ | ACO-2019-063 |
| 357 | 30962 | SIERRA NEVADA CORP | NRSAA Between NASA and Sierra Nevada Corporation Under the Space Technology Announcement of Competitive Opportunity 2019, Scientifically Calibrated In-Flight Imagery | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$1,022,908 | НQ | ACO-2019-062 |
| 358 | 30961 | Aerogel Technologies | NRSAA Between NASA and Aerogel Technologies LLC Under the Space Technology Announcement of Competitive Opportunity 2019, Mechanically Strong Polyimide Aerogels as Multifunctional Acoustic Insulation for Aerospace Applications | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$1,031,149 | HQ | ACO-2019-027 |
| 359 | 30960 | AEROJET ROCKETDYNE, INC | NRSAA Between NASA and Aerojet Rocketdyne of DE Inc. Under the Space Technology Announcement of Competitive Opportunity 2019, Extensible Robotic Deposition Technology for Propulsion Systems | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$1,057,111 | HQ | ACO-2019-024 |

| 360 30959 | Bally Ribbon Mills | NRSAA Between NASA and Bally Ribbon Mills Under the Space Technology Announcement of Competitive Opportunity 2019, ADEPT Spider Weave Thermal Testing | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$1,013,567 HQ | ACO-2019-023 |
|-----------|--------------------------|--|-----------|-----------|------------------|----------------|--------------|
| 361 30958 | Advance Space LLC | NRSAA Between NASA and Advance Space LLC Under the Space Technology Announcement of Competitive Opportunity 2019, Advancing Lunar Navigation Technologies to Enable Exploration and Commercial Development | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$576,800 HQ | ACO-2019-018 |
| 362 30933 | SPACE SYSTEMS LORAL, LLC | NRSAA Between NASA and Space Systems Loral LLC Under the Space Technology Announcement of Competitive Opportunity 2019, Advancing Qualification Protocols of Ultra- lightweight 5-junction Solar Cells Applied to Flexible Solar Array Power Modules | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$1,097,521 HQ | ACO-2019-011 |
| 363 30924 | SPACE SYSTEMS LORAL, LLC | NRSAA Between NASA and Space Systems Loral LLC Under the Space Technology Announcement of Competitive Opportunity 2019, Advanced Packaging Methods for Next- Generation Reflectors | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$1,235,438 HQ | ACO-2019-010 |
| 364 30921 | Anashpere Inc. | NRSAA Between NASA and Anasphere Inc, Under the Space Technology Announcement of Competetive Opportuity 2019. Ground Testing of (Hypersonic Inflatable Aerodynamic Decelerator) HIAD Hydrogen Gas Generator | 7/29/2019 | 7/29/2021 | Non-Reimbursable | \$458,520 HQ | ACO-2019-002 |
| 365 30620 | Mercy Corps | Increasing Smallholder Farmer Resilience to Climate Impacts by Integrating Earth Observations into Mercy Corps' AgriFin | 8/1/2019 | 3/29/2022 | Non-Reimbursable | \$100,000 HQ | |

| 366 30153 | Battelle Education | SCIENCE ENGAGEMENT OPPORTUNITIES FOR THE MARS 2020 PROJECT | 6/7/2019 | 2/28/2021 | Non-Reimbursable | \$175,163 HQ | |
|-----------|------------------------|--|------------|------------|------------------|--------------|-------|
| 367 30152 | Future Engineers, LLC | SCIENCE ENGAGEMENT OPPORTUNITIES FOR THE MARS 2020 PROJECT | 6/10/2019 | 2/28/2021 | Non-Reimbursable | \$175,163 HQ | |
| 368 29345 | Mercy Corps | Utilizing Earth Observations for Humanitarian and Development Activities | 3/29/2019 | 3/29/2022 | Non-Reimbursable | \$552,379 HQ | |
| 369 29333 | Evergreen Exhibitions | Above and Beyond Touring Exhibit | 3/29/2019 | 3/28/2024 | Non-Reimbursable | \$10,109 HQ | |
| 370 29332 | Mercy Corps | Utilizing Earth Observations for Humanitarian and Development Activities | 3/29/2019 | 3/29/2022 | Non-Reimbursable | \$0 HQ | |
| 371 28421 | Tynker Coding for Kids | First Annex Under NRSSA for Engaging Students in NASA- Themed Coding Activities | 12/20/2018 | 12/20/2023 | Non-Reimbursable | \$56,599 HQ | 28421 |

| 372 28420 | Neuron Fuel Inc. dba Tynker | NON-REIMBURSABLE UMBRELLA SPACE ACT AGREEMENT WITH FIRST ANNEX FOR ENGAGING STUDENTS IN NASA- THEMED CODING ACTIVITIES | 12/20/2018 | 12/20/2023 | Non-Reimbursable | \$0 HQ | 28420 |
|-----------|-----------------------------|--|------------|------------|------------------|--------------|-------|
| 373 27937 | American Geophysical Union | Cooperate on Planning AbSciCon 2019 | 6/4/2019 | 6/3/2021 | Non-Reimbursable | \$209,070 HQ | |
| 374 27561 | CONSERVATION INTERNATIONAL | Freshwater Health Index | 2/22/2018 | 2/22/2021 | Non-Reimbursable | \$251,076 HQ | |
| 375 27304 | CONSERVATION INTERNATIONAL | Natural Capital and Ecosystem Accounting | 2/22/2018 | 2/22/2021 | Non-Reimbursable | \$618,888 HQ | |
| 376 27302 | CONSERVATION INTERNATIONAL | Assessing Ecosystem Services and Health | 2/22/2018 | 2/22/2021 | Non-Reimbursable | \$0 HQ | |
| 377 27229 | RFC MEDIA, LLC | Continued Outreach Collaboration on Third Rock Radio | 1/30/2020 | 1/29/2025 | Non-Reimbursable | \$6,473 HQ | 27229 |

| 378 | 27045 | ASTROBOTIC TECHNOLOGY, INC | STMD- ACO: Software Defined Reliability for Mission Critical Operations | 11/9/2017 | 11/9/2020 | Non-Reimbursable | \$322,017 | HQ | STMD-ACO SAA-27045 |
|-----|-------|---------------------------------------|---|------------|------------|------------------|--------------|----|--------------------|
| 379 | 26840 | Google Inc | Annex 2 - Google Virtual Reality for Public Engagement | 10/16/2017 | 10/16/2022 | Non-Reimbursable | \$35,470 | HQ | 23261 |
| 380 | 26617 | Breakthrough Starshot Foundation, LLC | Enceladus Flyby Mission Concept Study | 9/13/2018 | 9/12/2023 | Non-Reimbursable | \$72,834 | HQ | |
| 381 | 26616 | Breakthrough Starshot Foundation, LLC | Collaboration on Breakthrough Search for Life | 9/13/2018 | 9/12/2023 | Non-Reimbursable | \$0 | HQ | |
| 382 | 24471 | BoldlyGo Institute | Non-Reimbursable SAA for the SCIM Mission | 2/3/2016 | 2/2/2021 | Non-Reimbursable | \$19,848,195 | HQ | 24471 |
| 383 | 24182 | American Girl Brands, LLC | American Girl Project Collaboration | 10/7/2016 | 10/7/2021 | Non-Reimbursable | \$20,560 | HQ | |

| 384 | 24181 | American Girl Brands, LLC | American Girl Collaboration | 10/7/2016 | 10/7/2021 | Non-Reimbursable | \$0 | HQ | 24181 |
|-----|-------|--|--|-----------|-----------|------------------|----------|----|---------|
| 385 | 23264 | Google Inc | Google Expeditions Annex | 9/15/2016 | 9/14/2021 | Non-Reimbursable | \$37,221 | HQ | 23261-1 |
| 386 | 23261 | Google Inc | Google Education and Public Engagement Umbrella | 9/15/2016 | 9/14/2021 | Non-Reimbursable | \$0 | НQ | 23261 |
| 387 | 22690 | Walt Disney Parks and Resorts, U.S., Inc. d/b/a Walt Disney Imagineering | Collaboration on Space-themed Update to Epcot Theme Park | 7/31/2017 | 7/31/2022 | Non-Reimbursable | \$22,773 | НQ | 22689 |
| 388 | 22689 | Walt Disney Parks and Resorts U.S., Inc d/b/a Walt Disney Imagineering | Collaboration on Public Outreach Projects | 7/31/2017 | 7/31/2022 | Non-Reimbursable | \$0 | HQ | 22689 |
| 389 | 21797 | Eureka Exhibits, LLC | Be The Asronaut Traveling Exhibit | 4/13/2016 | 4/13/2021 | Non-Reimbursable | \$11,343 | HQ | MOB-1 |

| 390 21188 | Fusion Media Network, LLC | NASA Collaboration with Fusion Media Network to Develop Virtual Reality Experiences and Related Content | 10/29/2015 | 10/29/2020 | Non-Reimbursable | \$15,525 HQ | |
|-----------|---------------------------------|--|---------------|------------|------------------|-------------|-----------------|
| 391 14267 | The Conrad Foundation | Conrad Foundation Umbrella | 12/13/2013 | 12/13/2021 | Non-Reimbursable | HQ | SAA-AD-13-14267 |
| 392 32753 | Ball Aerospace and Technologies | JPL SUPPORT TO BALL OPERATIONAL WEATHER INSTRU | M 7/22/2020 | 5/22/2021 | Reimbursable | JPL | |
| 393 32492 | York Space Systems | Low Earth Orbit SounderSat Mission Concept Study | 6/10/2020 | 3/10/2021 | Reimbursable | JPL | |
| 394 32460 | UNIVERSITY OF ARIZONA | Instrument Feasibility Study for Greenhouse Gas Detection | 6/3/2020 | 6/3/2021 | Reimbursable | JPL | |
| 395 32436 | Leidos | Terrestrial Weather Imager for Geosynchronous Earth Orbit Ins | tri 5/21/2020 | 3/21/2021 | Reimbursable | JPL | |

| 396 | 31616 | ASTROBOTIC TECHNOLOGY, INC | Deep Space Network Services Support | 4/15/2020 | 2/15/2022 | Reimbursable | JPL |
|-----|-------|---------------------------------------|--|------------|-----------|--------------|---------------|
| 397 | 31570 | PaR Systems, LLC | Piezoelectric Percussive Augmenter of Rotary Drill (PARoD) for S | 1/31/2020 | 1/31/2023 | Reimbursable | JPL |
| 398 | 30629 | LOUISIANA STATE UNIVERSITY | Synthetic Aperture Radar Interferometry (InSAR) Evaluation in Su | 12/16/2019 | 9/30/2023 | Reimbursable | JPL 82-105663 |
| 399 | 30354 | JOHNS HOPKINS UNIVERSITY / APPLIED PI | Augmented Reality Computer-Aided Design Visualizations | 9/10/2019 | 1/10/2022 | Reimbursable | JPL |
| 400 | 29920 | Photon Spot, Inc. | Superconducting Nanowire Single Photon Detector Technology D | 3/27/2019 | 4/27/2022 | Reimbursable | JPL |
| 401 | 29811 | Leidos, Inc. | Maritime Autonomy Enhancements for Sea Hunter II | 1/9/2020 | 1/9/2022 | Reimbursable | JPL |

| 402 | 29799 | HARRIS CORP | Navigation Technology Satellite-3 Geosynchronous Earth Orbit E | :4/10/2019 | 4/10/2023 | Reimbursable | JPL | |
|-----|-------|--|--|------------|------------|--------------|-----|--|
| 403 | 29565 | Tendeg LLC | Cubesat-Based Polarimetric Passive Microwave Radiometer for 0 | 6/13/2019 | 6/13/2021 | Reimbursable | JPL | |
| 404 | 28319 | THE AEROSPACE CORPORATION | EMPIRICAL STUDIES OF RADIATION DAMAGE TO SPACECR | 5/17/2019 | 5/17/2024 | Reimbursable | JPL | |
| 405 | 27788 | The George Washington University | Data Science Biomarker Technologies for the Information Technologies | 11/14/2018 | 11/14/2021 | Reimbursable | JPL | |
| 406 | 26635 | Beckman Research Institute of the City of Ho | pp Develop Generalized Newton-Euler Inverse Mass Operator (GNE | 11/29/2017 | 11/29/2021 | Reimbursable | JPL | |
| 407 | 26523 | Northrop Grumman Systems Corporation | Support the Development of Advanced Ground Antennas for the | l3/19/2018 | 3/28/2021 | Reimbursable | JPL | |

| 408 25621 | GeoOptics, Inc. | GeoOptics for Advanced Gravity Mapping and Crosslink Occultati 7/26/2017 | 2/28/2022 | Reimbursable | JPL | |
|-----------|--|---|-----------|--------------|-----|--|
| 409 25115 | Fermi Research Alliance LLC | Science Infrastructure for the Dark Energy Survey to Identify the F5/2/2018 | 11/1/2020 | Reimbursable | JPL | |
| 410 24877 | Raytheon Vision Systems | New Vital Infrared Sensor Technology Acceleration (VISTA) Indus 7/12/2017 | 7/12/2022 | Reimbursable | JPL | |
| 411 23388 | Placidus LLC | Production of Smart-Wire Driven by a Vibratory Piezoelectric Actu 12/6/2016 | 1/31/2021 | Reimbursable | JPL | |
| 412 23050 | NYSEARCH / Northeast Gas Association (NG | DEVELOP METHANE SNIFFER FOR A SMALL UNMANNED AE 9/6/2016 | 6/28/2021 | Reimbursable | JPL | |
| 413 22772 | Opto-Knowledge Systems, Inc. | National Oceanographic and Atmospheric Administration (NOAA) 8/24/2016 | 8/31/2021 | Reimbursable | JPL | |

| 414 22012 | RKI Instruments | Methane Sniffer Commercialization 3/29/2016 | 2/28/2022 | Reimbursable | JPL | |
|-----------|--|---|------------|--------------|-----|--|
| 415 20611 | Direct Electron LP | BSI Development for Scientific CMOS Image Sensors 6/21/2016 | 1/31/2021 | Reimbursable | JPL | |
| 416 20421 | California Department of Water Resources | Subseasonal Prediction of Atmospheric Rivers and the Madden-J 6/14/2016 | 8/31/2021 | Reimbursable | JPL | |
| 417 19471 | Skull Base Institute | Development of 3D-Multi-Angle Rear-Viewing Endoscopic Tool (3 1/26/2016 | 1/31/2021 | Reimbursable | JPL | |
| 418 17868 | Consolidated Edison Company of New York, I | Advanced Health Monitoring of Steam Pipe Systems – Phase IIIA 7/22/2015 | 7/31/2021 | Reimbursable | JPL | |
| 419 17413 | Alacron, Inc. | Superlattice Doped Imaging Detectors addresses advanced deve 8/28/2014 | 12/27/2020 | Reimbursable | JPL | |

| 420 | 13464 | Space Exploration Technologies | SURFACE CHEMICAL AND MATERIALS ANALYSIS OF SPACE | 9/26/2012 | 12/31/2020 | Reimbursable | | JPL | |
|-----|-------|--|---|-----------|------------|----------------------|----------|-----|-----------------|
| 421 | 11998 | The Boeing Company | Ionizing Radiation Evaluation of Materials and Semiconductor De | 5/16/2012 | 4/1/2021 | Reimbursable | | JPL | |
| 422 | 32919 | UNIVERSITY OF TEXAS MEDICAL BRANCH | UTMB DIETETIC STUDENT EXPERIENCE AT NASA | 8/12/2020 | 8/12/2025 | Non-Reimbursable S | \$37,971 | JSC | 32919 |
| 423 | 32690 | ARMAND BAYOU NATURE CENTER | Environmental Education Programs | 7/23/2020 | 7/23/2025 | Non-Reimbursable S | \$19,075 | JSC | SAA-JA-32690 |
| 424 | 32623 | Texas A&M Engineering Experiment Station | Reimbursable Space Act Agreement Between National Aeronauti | 9/3/2020 | 9/3/2022 | Reimbursable | | JSC | SAA-AD-20-32623 |
| 425 | 32418 | UNIVERSITY OF TEXAS | Collaboration in Robotics Technology | 4/10/2020 | 3/10/2025 | Non-Reimbursable \$7 | 130,206 | JSC | SAA-EA-20-32418 |

| 426 32361 | Techshot, Inc. | Techshot Commercial Resource Request | 5/20/2020 | 5/20/2022 | Reimbursable | JSC | |
|-----------|-------------------------|--|-------------|-----------|------------------|--------------|--------------------|
| 427 32319 | Adidas America, Inc | Annex One for Collaboration on Materials and Technolgies | 6/16/2020 | 6/16/2025 | Non-Reimbursable | \$10,458 JSC | SAA-OA-20-32319-01 |
| 428 32253 | TECHSHOT, INC | TECHSHOT ISS RESEARCH HARDWARE | 5/29/2020 | 5/29/2025 | Non-Reimbursable | \$24,483 JSC | SAA-OZ-20-32253 |
| 429 32239 | Space Commerce Matters | TO COLLABORATE WITH NASA TO CONDUCT COMMERCI. | AL 5/4/2020 | 5/4/2022 | Reimbursable | JSC | SAA-OZ-20-32239 |
| 430 32236 | Adidas America, Inc | COLLABORATION ON ADVANCED MATERIALS AND TECHNOLOGIES | 6/16/2020 | 6/16/2025 | Non-Reimbursable | \$0 JSC | SAA-OA-20-32236 |
| 431 32079 | WOUNDED WARRIOR PROJECT | HOUSTON SOLDIER RIDE | 3/31/2020 | 3/31/2025 | Non-Reimbursable | \$7,270 JSC | SAA-JA-20-32079 |

| 432 | 32068 | Houston Livestock Show and Rodeo, Inc. | REIMBURSABLE SPACE ACT AGREEMENT BETWEEN THE N | N 7/16/2020 | 2/16/2021 | Reimbursable | JSC | SAA-AD-20-32068 |
|-----|-------|---|---|-------------|-----------|---------------------------|-------|-----------------|
| 433 | 32049 | JACOBS TECHNOLOGY, INC | AMENDMENT NO. 03 TO ANNEX NO. 03 FOR THE NON-GOV | E 2/11/2020 | 4/30/2022 | Reimbursable | JSC | SAA-EA-20-32049 |
| 434 | 32031 | JOHNSON SPACE CENTER RADIO CONTROL CLUB | NON-REIMBURSABLE SPACE ACT FOR RADIO CONTROLLED AIRPLANE OPERATIONS | 5/7/2020 | 5/7/2025 | Non-Reimbursable \$6,06 | 1 JSC | SAA-JA-20-32031 |
| 435 | 31994 | Collaborative Composites Solutions Corporation | Annex 2 - Development of Additive Manufacturing Techniques for Spacecraft Structures and Heat Shields | 3/26/2020 | 3/15/2024 | Non-Reimbursable \$78,28 | 6 JSC | SAA-EA-19-29452 |
| 436 | 31987 | Chemring Energetic Devices | Development of Next Generation Ordnance Initiating System Architecture & Design | 7/20/2020 | 7/20/2025 | Non-Reimbursable \$201,68 | 6 JSC | SAA-EA-20-31987 |
| 437 | 31923 | MERIDIAN HEALTH SYSTEMS | MICROWAVE TISSUE SOLDERING FOR WOUND CLOSURE | 4/6/2020 | 4/6/2022 | Reimbursable | JSC | SAA-EA-20-31923 |

| 438 | 31791 | Texas A&M Engineering Experiment Station | Collaborative Research in Hypersonic Flow Physics | 2/18/2020 | 2/18/2022 | Non-Reimbursable | \$16,371 | JSC | SAA-EA-20-31791 |
|-----|-------|--|--|------------|------------|---------------------|-----------|-----|-----------------|
| 439 | 31778 | NANORACKS, LLC | CONDUCT COMMERCIAL ACTIVITIES ON THE INTERNATION | 12/18/2019 | 12/18/2021 | Reimbursable | | JSC | 31778 |
| 440 | 31740 | BLUE ORIGIN, LLC | Advanced Development of Main Engine Igniter | 2/8/2020 | 2/8/2021 | Reimbursable | | JSC | SAA-XA-19-29343 |
| 441 | 31734 | IOWA NORTHWEST AREA EDUCATION AGI | Space Settlement Design Competition | 7/8/2020 | 7/8/2023 | Reimbursable | | JSC | SAA-XA-20-31734 |
| 442 | 31729 | TECHNOLOGY COLLABORATION CENTER | Collaboration & Partnership Development Initiative | 8/11/2020 | 8/11/2025 | Non-Reimbursable \$ | \$138,761 | JSC | SAA-XA-20-31729 |
| 443 | 31717 | VIRGIN GALACTIC, LLC | Vigin Galactic Private Astronaut Mission | 5/15/2020 | 5/15/2025 | Non-Reimbursable | \$27,095 | JSC | SAA-OA-20-31717 |

| 444 | 31715 | TEXAS INSTRUMENTS, INC | ISS 20th Anniversary Student Challenge | 3/20/2020 | 3/20/2021 | Non-Reimbursable | \$160,053 | JSC | SAA-AD-20-31715 |
|-----|-------|--|---|------------|------------|------------------|-----------|-----|-----------------|
| 445 | 31714 | TEXAS INSTRUMENTS, INC | Strategic Alliance for STEM Engagement and Outreach Activities | 3/17/2020 | 3/17/2025 | Non-Reimbursable | \$0 | JSC | SAA-AD-20-31714 |
| 446 | 31619 | Alpha Space Test and Research Alliance LLC | CONDUCT COMMERCIAL ACTIVITIES ON THE INTERNATION | 12/18/2019 | 12/18/2021 | Reimbursable | | JSC | |
| 447 | 31569 | Cubic Corporation | WB-57 Support of Cubic HALO | 4/29/2020 | 4/28/2021 | Reimbursable | | JSC | |
| 448 | 31386 | UNIVERSITY OF ILLINOIS | Aero-capture and Atmospheric Entry, Descent, and Landing Guidance, Navigation, and Control (GN&C) | 2/28/2020 | 2/28/2025 | Non-Reimbursable | \$29,056 | JSC | SAA-EA-20-31386 |
| 449 | 31322 | The Proctor & Gamble Company | Laundry Detergent for Space | 8/18/2020 | 8/18/2022 | Non-Reimbursable | \$111,504 | JSC | SAA-EA-20-31322 |

| 450 31321 | The Proctor & Gamble Company | Cleaning in Space | 8/18/2020 | 8/18/2025 | Non-Reimbursable | \$0 JSC | SAA-EA-20-31321 |
|-----------|----------------------------------|--|------------|------------|------------------|--------------|--------------------|
| 451 31295 | UNIVERSITY OF HOUSTON | Annex to SAA with University of Houston for Collaborative Research, Technology Transfer, Education and Outreach Activities | 12/16/2019 | 12/16/2020 | Non-Reimbursable | \$2,130 JSC | SAA-CA-19-28812 |
| 452 31182 | University of Houston-Clear Lake | Annex to Umbrella for Collaborative Research, Technology Transfer, and Education Activities | 11/20/2019 | 11/20/2020 | Non-Reimbursable | \$2,140 JSC | SAA-CA-19-31182-02 |
| 453 31167 | FAIRCOUNT MEDIA GROUP | International Space Station 20 Years of Continuous Human Presence in Space Magazine | 2/12/2020 | 5/12/2021 | Non-Reimbursable | \$4,504 JSC | |
| 454 31150 | UNIVERSITY OF TEXAS | Hypersonic Environment and Material Response Testing and Research | 3/10/2020 | 3/10/2025 | Non-Reimbursable | \$81,372 JSC | SAA-EA-20-31150 |
| 455 31149 | UNIVERSITY OF TEXAS | Collaborative Research, Technology Transfer, Education and Outreach Activities | 3/10/2020 | 3/10/2025 | Non-Reimbursable | \$0 JSC | SAA-EA-20-31149 |

| 456 | 31124 | HOUSTON INDEPENDENT SCHOOL DISTRI | Annex to existing umbrella - Collaboration for STEM Engagemer | 11/15/2019 | 8/27/2023 | Reimbursable | - JSC | SAA-AD-18-27594 |
|-----|-------|--|--|------------|-----------|--------------------------|-------|--------------------|
| 457 | 30784 | WILLIAM MARSH RICE UNIVERSITY | HUMANOID ROBOTICS AND RELATED TECHNOLOGIES | 3/10/2020 | 3/10/2025 | Reimbursable | - JSC | SAA-EA-19-30784 |
| 458 | 30783 | WILLIAM MARSH RICE UNIVERSITY | COLLABORATIVE TECHNOLOGY DEVELOPMENT, INNOVATI | 3/10/2020 | 3/10/2025 | Reimbursable | - JSC | SAA-EA-19-30783 |
| 459 | 30679 | | OPERATION OF THE NANORACKS SYSTEM ABOARD THE INTERNATIONAL SPACE STATION | 7/31/2019 | 7/31/2024 | Non-Reimbursable \$24,59 | 7 JSC | |
| 460 | 30536 | Science Applications International Corporation | Annex 1 between NASA JSC and SAIC for Testing in the RITF | 2/10/2020 | 2/10/2025 | Reimbursable | - JSC | SAA-NA-20-30536-01 |
| 461 | 30535 | Science Applications International Corporation | Reimbursable Umbrella Agreement between NASA JSC and SAI | 2/10/2020 | 2/10/2025 | Reimbursable | - JSC | SAA-NA-20-30535 |

| 462 | 30388 | Katy Independent School District | MEMORANDUM OF AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINIMISTRATION LYNDON B. JOHNSON SPACE CENTER AND KATY INDEPENDENT SCHOOL DISTRICT FOR NASA CONTINUITY OF OPERATONS PROGRAM | | 9/30/2024 | Non-Reimbursable \$ |) JSC | SAA-JA-20-30388 |
|-----|-------|--|--|------------|------------|---------------------------|-------|-----------------|
| 463 | 30120 | GENERAL MOTORS, LLC | Battery Analysis and Testing | 1/27/2020 | 1/27/2021 | Reimbursable | - JSC | SAA-EA-19-30120 |
| 464 | 30119 | GENERAL MOTORS, LLC | Engineering Analysis and Testing for Advanced Technology Deve | 1/27/2020 | 1/27/2025 | Reimbursable | - JSC | SAA-EA-19-30119 |
| 465 | 30108 | Orbital Sciences Corporation, a wholly owned | । इJSC/SGT Annex to Cryogenically - Fueled Upper Stage Technolo | 8/28/2019 | 8/27/2022 | Reimbursable | - JSC | SAA8-1726082 |
| 466 | 30079 | NORTHROP GRUMMAN SYSTEMS CORPC | OFBATTLEFIELD AIRBORNE COMMUNICATIONS NODE (BACN) | 8/1/2019 | 12/17/2020 | Reimbursable | - JSC | SAA-CC-15-19651 |
| 467 | 29996 | Houston Cinema Arts Society | HCAS Film Festival | 10/29/2019 | 12/31/2020 | Non-Reimbursable \$296,95 | 2 JSC | |

| 468 | 29921 | Smart Information Flow Technologies | Monitoring Emergent Duress Under Long Lasting Allostasis (MED | 11/3/2019 | 11/3/2021 | Reimbursable | | JSC | |
|-----|-------|--|--|-----------|-----------|------------------|-------------|-----|-----------------|
| 469 | 29865 | Manned Space Flight Education Foundation, Inc. | NON-REIMBURSBLE SAA WITH MANNED SPACEFLIGHT EDUCATION FOUNDATION, INC. FOR COLLABORATIVE EDUCATION AND OUTREACH ACTIVITIES | 7/15/2019 | 7/15/2024 | Non-Reimbursable | \$3,095 | JSC | SAA-AD-19-29865 |
| 470 | 29840 | Texas A&M Engineering Experiment Station | Student Projects Derived from NBL Analysis and Design Cases | 6/3/2019 | 6/3/2021 | Non-Reimbursable | \$2,763 | JSC | 29840 |
| 471 | 29824 | Underwriters Laboratories Inc. | Battery Analysis and Testing | 7/3/2019 | 7/3/2021 | Reimbursable | | JSC | SAA-EA-19-29824 |
| 472 | 29823 | Underwriters Laboratories Inc. | Engineering Analysis and Testing for Advanced Technology Deve | 7/3/2019 | 7/3/2024 | Reimbursable | | JSC | SAA-EA-19-29823 |
| 473 | 29812 | RED.com, Inc. | RED Digital Cinema Core Camera for ISS | 1/23/2020 | 1/23/2025 | Non-Reimbursable | \$1,271,505 | JSC | 29812 |

| 474 | 29557 | UNIVERSITY OF WASHINGTON | Mental Modes Cycles | 5/29/2019 | 5/29/2021 | Reimbursable | J | JSC |
|-----|-------|---|--|-----------|-----------|-------------------------|-------|------------------------|
| 475 | 29456 | Houston Exponential | Cooperative Community Outreach Activities | 6/6/2019 | 6/6/2024 | Non-Reimbursable \$227, | 792 J | JSC SAA-XA-19-29456 |
| 476 | 29452 | Collaborative Composites Solutions Corporation | Collaboration for Advanced Manufacturing Techniques | 3/15/2019 | 3/15/2024 | Non-Reimbursable | \$0 J | JSC SAA-EA-19-29452 |
| 477 | 29366 | Axiom Space, Inc. | Flight Operations Directorate Axiom Training | 9/23/2019 | 8/27/2024 | Reimbursable | J | JSC SAA-OA-19-29366-01 |
| 478 | 29365 | Axiom Space, Inc. | Low-Earth Orbit Commercial Development Utilizing the ISS | 8/27/2019 | 8/27/2024 | Reimbursable | J | JSC SAA-19-OA-29365 |
| 479 | 29343 | BLUE ORIGIN, LLC | Engineering Analysis and Testing | 2/8/2020 | 2/8/2025 | Reimbursable | J | JSC SAA-EA-20-29343 |

| 480 | 29150 | Microsoft Corporation | ANNEX NUMBER 7 For Inquiry and Project-based Activities to Visualize Data Across STEM Subjects | 6/19/2019 | 6/19/2021 | Non-Reimbursable | \$60,488 | JSC | SAA-AD-18-26048-07 |
|-----|-------|-------------------------------|--|------------|------------|------------------|----------|-----|--------------------|
| 481 | 28973 | SGT, LLC | NASA JSC/SGT Vendor Partner Agreement | 9/10/2019 | 9/10/2024 | Reimbursable | | JSC | SAA-CA-19-28973 |
| 482 | 28813 | UNIVERSITY OF HOUSTON | University of Houston Prototype Translation Hand Controller | 11/5/2018 | 11/5/2020 | Non-Reimbursable | \$2,106 | JSC | SAA-CA-19-28813 |
| 483 | 28812 | UNIVERSITY OF HOUSTON | SAA with University of Houston for Collaborative Research, Technology Transfer, Education and Outreach Activities | 11/5/2018 | 11/5/2023 | Non-Reimbursable | \$0 | JSC | SAA-CA-19-28812 |
| 484 | 28679 | Ben Barber Innovation Academy | High School Students United with NASA to Create Hardware (HUNCH) Program | 10/3/2018 | 10/2/2023 | Non-Reimbursable | \$14,111 | JSC | SAA-OZ-18-28679 |
| 485 | 28672 | LOCKHEED MARTIN | INTEGRATION AND OPERATIONS SUPPORT RELATED TO T | 12/17/2018 | 12/17/2023 | Reimbursable | | JSC | SAA-GA-18-28672 |

| 486 28527 | N-SCIENCE, INC | Asteroid Exploration Mission Concept Development | 8/20/2019 | 8/20/2022 | Non-Reimbursable | \$15,126 JSC | SAA-XA-19-28527 |
|-----------|------------------------------|--|-------------|------------|------------------|---------------|--------------------|
| 487 28524 | UNIVERSITY OF TEXAS | Non-reimbursable Space Act Agreement Between University of Texas Medical Branch and the National Aeronautics and Space Administration, NASA Lyndon B. Johnson Space Center for UTMB Aerospace Medicine Experience at NASA | 9/3/2019 | 12/10/2020 | Non-Reimbursable | \$129,966 JSC | SA-SA-19-28524 |
| 488 28383 | Ross Aviation Operations LLC | A/M32A-60 "Dash 60" Jet Starter Loan to Ross Aviation | 10/3/2018 | 10/2/2023 | Non-Reimbursable | \$5,950 JSC | SAA-CA-18 28383 |
| 489 28379 | BiVACOR Inc. | Analysis of Artificial Heart System for In-Human Testing | 10/1/2019 | 10/1/2021 | Reimbursable | JSC | SAA-NA-20-28379-01 |
| 490 28378 | BiVACOR Inc. | SAFETY, RELIABILITY, AND ENGINEERING ANALYSES OF T | F 10/1/2019 | 10/1/2024 | Reimbursable | JSC | SAA-NA-20-28378 |
| 491 28358 | New York Space Alliance | The Fostering of Space Entrepreneurship | 10/5/2018 | 10/5/2023 | Non-Reimbursable | \$0 JSC | SAA-XB-18-28358 |

| 492 28307 | DreamUp | Collaboration in Support of Educational Outreach | 8/1/2018 | 7/31/2023 | Non-Reimbursable | \$34,139 JSC | SAA-OZ-18-28307 |
|-----------|------------------------------|--|------------|------------|------------------|---------------|--------------------|
| 493 28182 | SOUTHWEST RESEARCH INSTITUTE | Commercialization of NASA's NASGRO software | 11/21/2018 | 11/21/2023 | Non-Reimbursable | \$196,654 JSC | SAA-EA-19-28182 |
| 494 28107 | Microsoft Corporation | Annex 5 to Non-Reimbursable Space Act Umbrella Agreement between the National Aeronautics and Space Administration Lyndon B. Johnson Space Center and Microsoft Corporation for Strategic Alliance for STEM Education Activities | 2/12/2018 | 2/12/2021 | Non-Reimbursable | \$14,640 JSC | SAA-AD-18-26048 |
| 495 28089 | Alvin High School | For Students Collaborating with NASA to Produce Hardware or Other Useful Products under the High School Students Unified with NASA to Create Hardware (HUNCH) Program | 9/20/2018 | 9/19/2023 | Non-Reimbursable | \$57,440 JSC | SAA-OZ-18-28089 |
| 496 28036 | Microsoft Corporation | Annex 4 to Non-Reimbursable Space Act Umbrella Agreement between the National Aeronautics and Space Administration Lyndon B. Johnson Space Center and Microsoft Corporation for Strategic Alliance for STEM Education Activities | 2/12/2019 | 2/12/2022 | Non-Reimbursable | \$193,256 JSC | SAA-AD-18-28036-04 |
| 497 28012 | Prairie View A&M University | NASA JSC 's Continued Support of the Joint Development of the Charged Particle Detector with PVAMU | 5/1/2018 | 5/1/2022 | Non-Reimbursable | \$25,447 JSC | SAA-EA-18-28012 |

| 498 27894 | Space Family Education, Inc | Aaron Cohen Child Care Center | 6/27/2019 | 6/27/2024 | Non-Reimbursable | \$2,102,672 JSC | SAA-XA-18-27894 |
|-------------|---|---|-------------|-----------|------------------|-----------------|-----------------|
| 499 27635 | University of Houston-Clear Lake | Annex 1 for Collaborative Research, Technology Transfer, and Education Activities | 8/27/2019 | 8/27/2021 | Non-Reimbursable | \$8,139 JSC | SAA-XA-19-27635 |
| 500 27634 | University of Houston-Clear Lake | Umbrella for Collaborative Research, Technology Transfer, and Education Activities | 8/20/2019 | 8/20/2024 | Non-Reimbursable | \$0 JSC | SAA-XA-19-27634 |
| 1 501177601 | THE REGENTS OF THE UNIVERSITY OF COLORADO | Life and Microgravity Science Research Support | 5/8/2019 | 5/7/2022 | Non-Reimbursable | \$24,037 JSC | SAA-OZ-18-27601 |
| 502 27594 | HOUSTON INDEPENDENT SCHOOL DISTRI | Collaboration for STEM Engagement, Education, and Communit | y 8/28/2018 | 8/27/2023 | Reimbursable | JSC | SAA-AD-18-27594 |
| 503 27517 | Rocklin Unified School | HIGH SCHOOL STUDENTS COLLABORATING WITH NASA TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HUNCH PROGRAM | 5/8/2018 | 5/8/2023 | Non-Reimbursable | \$12,603 JSC | SAA-OZ-18-27517 |

| 504 27489 | BAY AREA EMERGENCY RESPONDERS | RECIPROCAL USE OF EMERGENCY OPERATIONS CENTERS | 6/12/2018 | 6/12/2021 | Non-Reimbursable | \$18,333 JSC | SAA-JA-18-27489 |
|-----------|-----------------------------------|--|-----------|-----------|------------------|---------------|-----------------|
| 505 27425 | Peanuts Worldwide, LLC | PUBLIC AND EDUCATION OUTREACH AND STEM PROJECTS | 6/20/2018 | 6/20/2023 | Non-Reimbursable | \$0 JSC | SAA-GA-18-27245 |
| 506 27253 | BIGELOW AEROSPACE | NON-REIMBURSABLE TO LOW-EARTH ORBIT COMMERCIAL DEVELOPMENT | 3/30/2018 | 3/29/2023 | Non-Reimbursable | \$98,558 JSC | OZ-18-27253 |
| 507 26943 | Wheeling High School | High School Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the High School Students United with NASA to Create Hardware (HUNCH) Program | 3/21/2018 | 3/20/2023 | Non-Reimbursable | \$12,835 JSC | SAA-OZ-18-26943 |
| 508 26934 | Hawthorne High School | Students Collaborating with NASA to Produce Haardware or Other Useful Products Under the High School Students United with NASA to Create Hardware (HUNCH) Program | 3/23/2018 | 3/22/2023 | Non-Reimbursable | \$33,644 JSC | SAA-OZ-18-26934 |
| 509 26933 | Alief Independent School District | Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the High School Students United with NASA to Create Hardware (HUNCH) Program | 1/18/2018 | 1/18/2023 | Non-Reimbursable | \$112,831 JSC | SAA-OZ-17-26933 |

| 510 | 26826 | THE BOEING COMPANY | WB-57 Technology Demonstrator Platform | 2/14/2018 | 2/13/2022 | Reimbursable | | JSC |
|-----|-------|--|---|------------|------------|-----------------------|-------|----------------------|
| 511 | 26763 | UNITED LAUNCH ALLIANCE, LLC | Commercial Space Launch Vehicle Mission Insight | 2/16/2018 | 10/2/2021 | Reimbursable | | JSC SAA-UA3-17-26763 |
| 512 | 26762 | UNITED LAUNCH ALLIANCE, LLC | Commercial Space Launch Vehicle Developments | 2/5/2018 | 2/5/2023 | Reimbursable | | JSC SAA-UA3-17-26762 |
| 513 | 26460 | UNIVERSITY OF TEXAS MEDICAL BRANCH | UTMB DIETETIC STUDENT EXPERIENCE AT NASA | 11/9/2017 | 11/9/2020 | Non-Reimbursable \$1 | 8,123 | JSC |
| 514 | 26443 | REPURPOSED THERAPEUTICS, INC d/b/a D | Further Development Of Scopolamine Hydrobromide | 10/13/2017 | 10/13/2020 | Reimbursable | | JSC |
| 515 | 26418 | BAY AREA HOUSTON ECONOMIC PARTNERSHIP | COOPERATIVE AND COMMUNITY OUTREACH ACTIVITIES | 10/17/2017 | 10/16/2022 | Non-Reimbursable \$14 | 5,128 | JSC SAA-AD-18-26418 |

| 516 | 26277 | NORTH CAROLINA STATE UNIVERSITY | Annex 2 to Collaborative Aerospace Research, Development, and Testing Opportunities | 10/13/2017 | 10/13/2021 | Non-Reimbursable | \$17,165 | JSC | SAA-EA-17-26277 |
|-----|-------|--|---|------------|------------|------------------|----------|-----|-------------------|
| 517 | 26205 | Industrial Fabrics Association International | Umbrella Space Act Agreement Industrial Fabrics Association International (IFAI) Exposition | 8/2/2018 | 8/2/2023 | Non-Reimbursable | \$0 | JSC | SAA-EA-17-26205 |
| 518 | 26188 | Fairport Central School District | High School Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the HUNCH Program | 11/1/2017 | 10/31/2022 | Non-Reimbursable | \$40,412 | JSC | SAA-OZ-17-26188 |
| 519 | 26179 | Council Rock School District | High School Students Collaborating with NASA to Produce Hardware or Other Useful Products Under HUNCH | 10/13/2017 | 10/12/2022 | Non-Reimbursable | \$40,412 | JSC | SAA-OZ-17-26179 |
| 520 | 26048 | Microsoft Corporation | Non-Reimbursable Space Act Umbrella Agreement between the National Aeronautics and Space Administration Lyndon B. Johnson Space Center and Microsoft Corporation for Strategic Alliance for STEM Education Activities | | 2/5/2023 | Non-Reimbursable | \$0 | JSC | SAA-AD-18-26048 |
| 521 | 26023 | Raytheon Intelligence, Information and Service | ce Annex 5 Authorizing Clean Room, Animation, Manufacturing, and | 10/18/2017 | 9/30/2022 | Reimbursable | | JSC | SAA-CA-17-26023-5 |

| 522 | 26021 | Raytheon Intelligence, Information and Service | Annex 4 Authorizing Support for Department of Defense Diving a | 9/27/2017 | 9/30/2022 | Reimbursable - | J | SC | SAA-CA-17-26021-04 |
|-----|-------|--|---|------------|------------|------------------------|-------|----|--------------------|
| 523 | 26017 | Raytheon Intelligence, Information and Service | Annex 3 Authorizing Remotely Operated Vehicles (ROV) and Aut | 9/27/2017 | 9/30/2022 | Reimbursable - | J | SC | SAA-CA-26017-03 |
| 524 | 26016 | Raytheon Intelligence, Information and Service | Annex 2 Authorizing Non-Destructive Testing Commercialization | 9/27/2017 | 9/30/2022 | Reimbursable - | J | SC | SAA-CA-17-26016-02 |
| 525 | 26007 | Raytheon Intelligence, Information and Service | Annex 1 Authorizing Safety, Survival, Emergency Response, and | 9/27/2017 | 9/30/2022 | Reimbursable - | J | SC | SAA-CA-17-26007-01 |
| 526 | 26006 | Raytheon Intelligence, Information and Service | Umbrella Agreement Authorizing Commercialization Activities Un | 9/27/2017 | 9/30/2022 | Reimbursable - | J | SC | SAA-CA-17-26006 |
| 527 | 26003 | ULSTER COUNTY BOARD OF COOPERATIVE EDUCATIONAL SERVICES | ULSTER COUNTY BOARD OF COOPERATIVE EDUCATIONAL SERVICES FOR HIGH SCHOOL STUDENTS COLLABORATING WITH NASA TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HUNCH PROGRAM | 10/13/2017 | 10/12/2022 | Non-Reimbursable \$50, | 182 J | SC | SAA-OZ-17-26003 |

| 528 | 25999 | St. Mary`s County Public Schools | St. Mary`s County Public Schools for High School Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the HUNCH Program | 10/26/2017 | 10/26/2022 | Non-Reimbursable | \$40,783 | JSC | SAA-OZ-17-25999 |
|-----|-------|--|--|------------|------------|------------------|-----------|-----|-----------------|
| 529 | 25997 | Saint John Valley Technology Center | Saint John Valley Technology Center for Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the HUNCH Program | 11/27/2017 | 11/26/2022 | Non-Reimbursable | \$24,299 | JSC | SAA-OZ-17-25997 |
| 530 | 25102 | Greater Houston Partnership | Cooperative Community Outreach Activities | 8/9/2017 | 8/9/2022 | Non-Reimbursable | \$589,059 | JSC | SAA-XA-17-25102 |
| 531 | 24920 | The SME Education Foundation | SME Hunch A | 3/1/2017 | 2/28/2022 | Non-Reimbursable | \$150,502 | JSC | SAA-OA-17-24920 |
| 532 | 24788 | Shell International Exploration & Production C | c Safety, Reliability, and Engineering Analysis for Deep Water Drilli | 2/16/2017 | 5/16/2022 | Reimbursable | | JSC | SAA-NA-17-24788 |
| 533 | 24777 | Bay Area Houston Advanced Technology Cor | ns Failure Analysis | 2/7/2017 | 2/7/2022 | Reimbursable | | JSC | |

| 534 | 24763 | Bay Area Houston Advanced Technology Cor | ns NASA Safety Training Center Classes | 2/7/2017 | 2/7/2022 | Reimbursable | | JSC | |
|-----|-------|--|---|------------|------------|-----------------------|---------|-----|--------------------|
| 535 | 24615 | Bay Area Houston Advanced Technology Cor | ns RITF Workmanship Training | 2/7/2017 | 2/7/2022 | Reimbursable | | JSC | SAA-NA-17-24615-01 |
| 536 | 24614 | Bay Area Houston Advanced Technology Cor | ns Technology Partnerships | 2/7/2017 | 2/7/2022 | Reimbursable | | JSC | |
| 537 | 24331 | Houston Livestock Show & Rodeo | NONREIMBURSABLE SPACE ACT AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND HOUSTON LIVESTOCK SHOW & RODEO FOR COMMUNITY RELATIONS AND EDUCATION OUTREACH ACTIVITIES | 3/17/2017 | 3/16/2022 | Non-Reimbursable \$9 | 0,898 . | JSC | SAA-AD-17-24331 |
| 538 | 24326 | Conway School District | Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the HUNCH (High School Students United with NASA to Create Hardware) Program | 11/1/2017 | 11/1/2022 | Non-Reimbursable \$23 | 6,218 | JSC | SAA-OZ-17-24326 |
| 539 | 24275 | Windsor Board of Education | Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the HUNCH Program | 11/28/2017 | 11/27/2022 | Non-Reimbursable \$23 | 1,674 . | JSC | SAA-OZ-17-24275 |

| 540 | 24255 | Texas Space Technology Applications and R | es Architecture Expertise for Modular Integrated Stackable Layer Ap | 12/12/2016 | 12/12/2021 | Reimbursable | | JSC | SAA-EA-17-24255 |
|-----|-------|--|---|------------|------------|------------------|-----------|-----|-----------------|
| 541 | 23749 | Space Tango Inc | New Operation of the TangoLab-1 and Future Platforms Aboard the International Space Station National Laboratory | 6/1/2017 | 5/31/2022 | Non-Reimbursable | \$83,852 | JSC | SAA-OZ-17-23749 |
| 542 | 23506 | University of Houston, Clear Lake | Handling of Historic Spaceflight Documents | 1/23/2017 | 1/23/2022 | Non-Reimbursable | \$13,413 | JSC | SAA-IA-16-23506 |
| 543 | 23270 | Axiom Space, LLC | LOW-EARTH ORBIT COMMERCIAL DEVELOPMENT | 8/24/2016 | 8/24/2021 | Non-Reimbursable | \$270,725 | JSC | |
| 544 | 23242 | University of Texas MD Anderson Cancer Center | Childrens Space Suit Art Project | 9/12/2016 | 9/12/2021 | Non-Reimbursable | \$0 | JSC | SAA-XA-16-23242 |
| 545 | 23114 | Orbital Sciences Corporation | Space Vehicle Mockup Facility (SVMF) Floor Space for the Orbital ATK Cygnus Mockup | 1/19/2017 | 1/19/2022 | Non-Reimbursable | \$173,543 | JSC | SAA-CA-16-23114 |

| 546 | 23020 | BAYLOR COLLOGE OF MEDICINE | Collaborative Research on Health Care Infrastructure in Remote Settings | 7/6/2017 | 7/6/2022 | Non-Reimbursable | \$0 | JSC | SAA-SA-16-23020 |
|-----|-------|--|---|-----------|-----------|------------------|-----------|-----|-----------------|
| 547 | 22998 | The Longhorn Project | The Center For Agriculture Science and Engineering Laboratory | 10/1/2016 | 10/1/2021 | Non-Reimbursable | \$44,657 | JSC | SAA-JA-16-22998 |
| 548 | 22798 | City of League City | Memorandum of Agreement Between City of League City, Texas Office of Emergency Management | 9/19/2016 | 9/19/2021 | Non-Reimbursable | \$99,952 | JSC | SAA-JA-16-22798 |
| 549 | 22761 | City of Seabrook | RECIPROCAL USE OF EMERGENCY OPERATIONS CENTERS | 6/1/2016 | 6/1/2021 | Non-Reimbursable | \$102,135 | JSC | SAA-JA-16-22761 |
| 550 | 22225 | ISS-ABOVE | Connecting Homes, Schools and Offices to the International Space Station | 5/5/2016 | 5/4/2021 | Non-Reimbursable | \$13,652 | JSC | SAA-OX-16-22225 |
| 551 | 22222 | Space Technology and Advanced Research Systems, Inc. | Low-Earth Orbit Commercial Services Development | 5/7/2016 | 5/7/2021 | Non-Reimbursable | \$5,652 | JSC | SAA-OZ-16-22222 |

| 552 22219 | Texas A&M Engineering Experiment Station | NASA JSC ENGINEERING/TEES UMBRELLA FOR COLLABOR 6/23/2016 | 6/23/2021 | Reimbursable | JSC | SAA-EA-16-22219 |
|-----------|--|--|-----------|------------------|---------------|--------------------|
| 553 22103 | WYLE LABORATORIES, INC. | NASA NEUTRAL BUOYANCY LABORATORY FACILITY USAGE 4/10/2017 | 5/31/2021 | Reimbursable | JSC | SAA-SA-16-22103-02 |
| 554 21933 | WYLE LABORATORIES, INC. | NASA MICRO/TOXICOLOGY AND ENVIRONMENTAL CHEMIS 5/31/2016 | 5/31/2021 | Reimbursable | JSC | SAA-SA-16-21933-01 |
| 555 21932 | WYLE LABORATORIES, INC. | HUMAN HEALTH AND PERFORMANCE FACILITIES UTILIZATI 5/31/2016 | 5/31/2021 | Reimbursable | JSC | SAA-SA-16-21932 |
| 556 21440 | Passaic County Technical Institute | Passaic County Technical Institute Students Collaborating with NASA under the HUNCH (High School Students United with NASA to Create Hardware) Program | 3/16/2021 | Non-Reimbursable | \$140,684 JSC | SAA-OA-16-21440 |
| 557 21390 | Howard County Public School System | Howard County Public School System Students Collaborating with NASA under the HUNCH (High School Students United with NASA to Create Hardware) Program | 3/16/2021 | Non-Reimbursable | \$37,419 JSC | SAA-OA-15-21390 |

| 558 21367 | NanoRacks, LLC | Low-Earth Orbit Commercial Services Development | 5/16/2016 | 5/16/2021 | Non-Reimbursable | \$11,002,835 JSC | SAA-OA-16-21367 |
|-----------|--|---|------------|------------|------------------|------------------|-----------------|
| 559 21267 | Toledo Public School District | Toledo Public School District Students Collaborating with NASA under the HUNCH (High School Students United with NASA to Create Hardware) Program | 7/9/2016 | 7/9/2021 | Non-Reimbursable | \$40,980 JSC | SAA-OA-15-21267 |
| 560 21130 | Connecticut State Board of Education | Connecticut Technical High School System Students Collaborating with NASA under the HUNCH (High School Students United with NASA to Create Hardware) Program | 2/29/2016 | 3/1/2021 | Non-Reimbursable | \$140,684 JSC | SAA-OA-15-21130 |
| 561 21104 | Aviation Institute of Maintenance- Houston | Aviation Institute of Maintenance - Houston Students Collaborating with NASA under the HUNCH (High School Students United with NASA to Create Hardware) Program | 2/29/2016 | 2/28/2021 | Non-Reimbursable | \$276,036 JSC | SAA-OA-15-21104 |
| 562 20829 | County College of Morris | County College of Morris Students Collaborating with NASA under the HUNCH (High School Students United with NASA to Create Hardware) Program | 11/20/2015 | 11/19/2020 | Non-Reimbursable | \$16,302 JSC | SAA-OA-15-20829 |
| 563 20719 | Carbon3D | Carbon 3D Material Printing Collaboration for Lightweight Multi- functional Structures | 6/22/2016 | 6/22/2021 | Non-Reimbursable | \$0 JSC | SAA-EA-16-20719 |

| 564 20448 | Houston Airport System | ANNEX 1 BETWEEN HAS AND NASA JSC FOR NSTC CLASS 11/4/2015 | 11/4/2020 | Reimbursable | JSC | SAA-NA-15-20448-01 |
|-----------|-------------------------------------|--|------------|------------------|--------------|--------------------|
| 565 20447 | Houston Airport System | REIMBURSABLE SPACE ACT UMBRELLA AGREEMENT BET\11/4/2015 | 11/4/2020 | Reimbursable | JSC | SAA-NA-15-20447 |
| 566 20346 | Bedford Public Schools | Bedford Public Schools Students Collabarating with NASA under the HUNCH (High School Students United with NASA to Create Hardware) Program | 11/15/2020 | Non-Reimbursable | \$16,302 JSC | SAA-OA-15-20346 |
| 567 20328 | Cherry Creek Schools | Cherry Creek Schools' Students Collaborating with NASA under the HUNCH (High School Students United with NASA to Create Hardware) Program | 11/15/2020 | Non-Reimbursable | \$16,302 JSC | SAA-OA-15-20328 |
| 568 19944 | Radio Amateur Satellite Corporation | Partially Reimbursable Services Supporting Amateur Radio on the 2/25/2016 | 2/24/2021 | Reimbursable | JSC | SAA-OZ-16-19944 |
| 569 19925 | Magnet Cove High School | High School Students Collabarating with NASA to Produce Hardware or Other Useful Products under the HUNCH (High School Students United with NASA to Create Hardware) Program | 10/8/2020 | Non-Reimbursable | \$13,585 JSC | SAA-OA-15-19925 |

| 570 | 19651 | NORTHROP GRUMMAN SYSTEMS CORPOR | COMMUNICATIONS TECHNOLOGY DEMONSTRATIONS | 12/17/2015 | 12/17/2020 | Reimbursable | | JSC | SAA-CC-15-19651 |
|-----|-------|---------------------------------|---|------------|------------|--------------------------|-------|-----|-----------------|
| 571 | 19449 | Jacobs Technology Inc. | Annex 14 to NASA JSC Non-Government Use Of Facilities Umbr | 3/12/2015 | 4/30/2022 | Reimbursable | | JSC | SAA-EA-15-19449 |
| 572 | 19348 | Jacobs Technology Inc. | annex to NASA JSC Non-Government Use Of Facilities Umbrella | 3/10/2015 | 4/30/2022 | Reimbursable | | JSC | SAA-EA-15-19348 |
| 573 | 18884 | United Launch Alliance | COMMERCIAL SPACE CAPABILITIES COLLABORATION | 12/18/2014 | 6/30/2022 | Non-Reimbursable \$72,17 | 1,186 | JSC | SAA-QA-14-18884 |
| 574 | 18883 | SpaceX | COMMERCIAL SPACE CAPABILITIES COLLABORATION | 12/18/2014 | 3/31/2022 | Non-Reimbursable \$3,67 | 5,899 | JSC | SAA-QA-14-18883 |
| 575 | 18881 | ATK SPACE SYSTEMS INC | COMMERCIAL SPACE CAPABILITIES COLLABORATION | 12/18/2014 | 12/31/2022 | Non-Reimbursable \$1,91 | 8,680 | JSC | SAA-QA-14-18881 |

| 576 | 18828 | Space Exploration Technologies Corp. | Entry, Descent, and Landing (EDL) Technology Development | 12/1/2015 | 12/1/2020 | Non-Reimbursable | \$0 JSC | SAA-EA-15-18828 |
|-----|-------|--------------------------------------|---|-----------|-----------|-------------------------|---------|-----------------|
| 577 | 17138 | Jacobs Technology Inc. | Annex 11 to NASA JSC Non-Government Use Of Facilities Umbr | 3/19/2014 | 4/30/2022 | Reimbursable - | JSC | SAA-EA-14-17138 |
| 578 | 16682 | BEMER | Prototype Countermeasure Garment for Enhancing Microcirculation | 3/12/2015 | 3/12/2021 | Non-Reimbursable \$10,5 | 87 JSC | SAA-EA-15-16682 |
| 579 | 16521 | The Houston Zoo | Attwater's Prairie Chicken Project | 5/12/2014 | 5/12/2024 | Non-Reimbursable \$46,1 | 52 JSC | SAA-JA-13-16521 |
| 580 | 15032 | Jacobs Technology Inc. | Annex 4 to NASA JSC Non-Government Use Of Facilities Umbre | 6/28/2013 | 4/30/2022 | Reimbursable - | JSC | SAA-EA-13-15032 |
| 581 | 14945 | Jacobs Technology Inc. | Annex 3 to NASA JSC Non-Government Use Of Facilities Umbre | 6/28/2013 | 4/30/2022 | Reimbursable - | JSC | SAA-EA-13-14945 |

| 582 | 14944 | Jacobs Technology Inc. | Annex 2 to NASA JSC Non-Government Use Of Facilities Umbre | 6/10/2013 | 4/30/2022 | Reimbursable | JSC | SAA-EA-13-14944 |
|-----|-------|------------------------------------|--|-----------|-----------|----------------------|-----|----------------------|
| 583 | 14708 | Jacobs Technology Inc. | Annex 1 to NASA JSC Non-Government Use Of Facilities Umbre | 6/11/2013 | 4/30/2022 | Reimbursable | JSC | SAA-EA-13-14708 |
| 584 | 14705 | Jacobs Technology Inc. | NASA JSC Non-Government Use Of Facilities Umbrella Agreeme | 5/13/2013 | 4/30/2022 | Reimbursable | JSC | SAA-EA-13-14705 |
| 585 | 33413 | Jacobs Technologies Inc. | Annex 4 to Fully Reimbursable Umbrella SAA between NASA and | 9/24/2020 | 9/30/2021 | Reimbursable | KSC | KCA-4604-4 Rev Basic |
| 586 | 33334 | THE BOEING COMPANY | KCA-4515-8, Annex 8 to Reimbursable Umbrella SAA between N | 9/15/2020 | 3/31/2021 | Reimbursable | KSC | KCA-4515-8 Rev Basic |
| 587 | 33316 | The Astronauts Memorial Foundation | KCA-4659, Rev. Basic, Lease Agreement for Center for Space Education (CSE) Space at the Astronauts Memorial Foundation (AMF) | 9/30/2020 | 9/30/2022 | Non-Reimbursable \$0 | KSC | KCA-4659 Rev Basic |

| 588 | 33256 | ASRC Federal Data Solutions | Annex 26 to Fully Reimbursable Umbrella SAA between NASA ar | 8/25/2020 | 9/30/2020 | Reimbursable | - KSC | KCA-4559-26 Rev Basic |
|-----|-------|-------------------------------------|---|-----------|------------|--------------|-------|-----------------------|
| 589 | 33179 | SPACE EXPLORATION TECHNOLOGIES CO | KCA-4513-20, Annex 20 to Fully Reimbursable Space Act Umbre | 8/25/2020 | 9/30/2021 | Reimbursable | - KSC | KCA-4513-20 Rev Basic |
| 590 | 32952 | SPACE FLORIDA, AN INDEPENDENT SPECI | KCA-4548-10, Annex 10 to Reimbursable Space Act Agreement | 7/17/2020 | 3/31/2021 | Reimbursable | - KSC | KCA-4548-10 Rev Basic |
| 591 | 32921 | ASRC Federal Data Solutions | Annex 25 to Fully Reimbursable Umbrella SAA between NASA a | 7/1/2020 | 10/16/2020 | Reimbursable | - KSC | KCA-4559-25 Rev Basic |
| 592 | 32795 | ORBITAL ATK, INC | KCA-4500-9, Annex No.9 to Reimbursable Umbrella SAA betwee | 6/11/2020 | 10/6/2020 | Reimbursable | - KSC | KCA-4500-9 Rev Basic |
| 593 | 32784 | UNITED LAUNCH ALLIANCE, LLC | KCA-4556-33, Annex to Fully Reimbursable SAA between United | 6/11/2020 | 2/21/2023 | Reimbursable | - KSC | KCA-4556-33 Rev Basic |

| 594 | 32763 | Integrated Mission Support Services, LLC | Annex 15 to Fully Reimbursable Umbrella SAA between NASA ar | 6/8/2020 | 9/30/2020 | Reimbursable | - KSC | KCA-4464-15 Rev Basic |
|-----|-------|--|---|-----------|------------|--------------|-------|-----------------------|
| 595 | 32750 | KT Engineering Corporation | KCA-4650-1, Annex No. 1 to the Fully Reimbursable Umbrella SA | 9/1/2020 | 9/1/2021 | Reimbursable | - KSC | KCA-4650-1 Rev Basic |
| 596 | 32749 | KT Engineering Corporation | KCA-4650, Rev. Basic Fully Reimbursable Umbrella SAA Betwee | 9/1/2020 | 9/1/2025 | Reimbursable | - KSC | KCA-4650 Rev Basic |
| 597 | 32477 | UNITED LAUNCH ALLIANCE, LLC | KCA-4556-32, Annex to Fully Reimbursable SAA between United | 4/24/2020 | 9/30/2020 | Reimbursable | - KSC | KCA-4556-32 Rev Basic |
| 598 | 32438 | Blue Origin Florida, LLC | KCA-4555-11, Annex to Fully Reimbursable Umbrella SAA Between | 4/10/2020 | 12/31/2020 | Reimbursable | - KSC | KCA-4555-11 |
| 599 | 32301 | Blue Origin Florida, LLC | KCA-4555-9, Annex to Fully Reimbursable Umbrella SAA Betwee | 3/23/2020 | 12/31/2020 | Reimbursable | - KSC | KCA-4555-9 Rev Basic |

| 600 | 32262 | Space Perspective, Inc. | KCA-4641-1, Annex No. 1 to the Fully Reimbursable Umbrella SA | 4/27/2020 | 4/27/2022 | Reimbursable | - KSC | KCA-4641-1 Rev Basic |
|-----|-------|-----------------------------------|---|-----------|-----------|--------------|-------|-----------------------|
| 601 | 32261 | Space Perspective, Inc. | KCA-4641, Rev. Basic Fully Reimbursable Umbrella SAA Betwee | 4/27/2020 | 4/27/2025 | Reimbursable | - KSC | KCA-4641 Rev Basic |
| 602 | 32230 | UNITED LAUNCH ALLIANCE, LLC | KCA-4556-31,Annex 31 to Fully Reimbursable SAA between Unit | 3/13/2020 | 2/21/2023 | Reimbursable | - KSC | KCA-4556-31 Rev Basic |
| 603 | 32229 | UNITED LAUNCH ALLIANCE, LLC | KCA-4556-30, Annex 30 to Fully Reimbursable SAA between Uni | 3/9/2020 | 9/30/2020 | Reimbursable | - KSC | KCA-4556-30 Rev Basic |
| 604 | 32226 | AECOM Management Services, Inc | Annex 28 to Fully Reimbursable Umbrella SAA between NASA K | 4/13/2020 | 9/30/2020 | Reimbursable | - KSC | KCA-4495-28 Rev Basic |
| 605 | 32150 | SPACE EXPLORATION TECHNOLOGIES CO | KCA-4513-19, Annex 19 to Fully Reimbursable Space Act Umbre | 3/6/2020 | 9/30/2020 | Reimbursable | - KSC | KCA-4513-19 Rev Basic |

| 606 | 32144 | UNITED LAUNCH ALLIANCE, LLC | Annex 29 to Fully Reimbursable SAA between United Launch Alli | 2/28/2020 | 9/30/2020 | Reimbursable | KSC | KCA-4556-29 Rev Basic |
|-----|-------|------------------------------------|---|-----------|------------|--------------|-----|-----------------------|
| 607 | 32059 | AECOM Management Services, Inc | Annex 29 to Fully Reimbursable Umbrella SAA between NASA K | 3/16/2020 | 9/30/2020 | Reimbursable | KSC | KCA-4495-29 Rev Basic |
| 608 | 32039 | Blue Origin Florida, LLC | Annex 8 to Fully Reimbursable Umbrella SAA Between NASA KS | 2/21/2020 | 12/3/2023 | Reimbursable | KSC | KCA-4555-8 Rev Basic |
| 609 | 31983 | ASRC Federal Data Solutions | Annex 21 to Fully Reimbursable Umbrella SAA between NASA a | 2/7/2020 | 12/31/2020 | Reimbursable | KSC | KCA-4559-21 Rev Basic |
| 610 | 31927 | The Astronauts Memorial Foundation | KCA-4638, Revision Basic for Reimbursable Space Act Agreeme | 6/5/2020 | 6/4/2025 | Reimbursable | KSC | KCA-4638 |
| 611 | 31878 | Blue Origin Florida, LLC | Annex No. 7 to Fully Reimbursable Umbrella SAA Between NAS/ | 1/27/2020 | 12/31/2020 | Reimbursable | KSC | KCA-4555-7 Rev Basic |

| 612 | 31759 | AECOM Management Services, Inc | Annex 26 to Fully Reimbursable Umbrella SAA between NASA K | 1/21/2020 | 9/30/2020 | Reimbursable | - KSC | KCA-4495-26 Rev Basic |
|-----|-------|--------------------------------|--|------------|------------|--------------|-------|-----------------------|
| 613 | 31749 | AECOM Management Services, Inc | Annex 25 to Fully Reimbursable Umbrella SAA between NASA K | 1/21/2020 | 9/30/2020 | Reimbursable | - KSC | KCA-4495-25 Rev Basic |
| 614 | 31744 | ASRC Federal Data Solutions | Annex 20 to Fully Reimbursable Umbrella SAA between NASA ar | 12/18/2019 | 12/31/2020 | Reimbursable | - KSC | KCA-4559-20 Rev Basic |
| 615 | 31537 | UNITED LAUNCH ALLIANCE, LLC | Annex No. 28 to Fully Reimbursable SAA between United Launch | 11/14/2019 | 2/21/2023 | Reimbursable | - KSC | KCA-4556-28 Rev Basic |
| 616 | 31523 | AECOM Management Services, Inc | Annex 24 to Fully Reimbursable Umbrella SAA between NASA K | 11/12/2019 | 9/30/2020 | Reimbursable | - KSC | KCA-4495-24 Rev Basic |
| 617 | 31382 | THE BOEING COMPANY | KCA-4515-7, Reimbursable Umbrella SAA between NASA KSC a | 10/17/2019 | 8/21/2023 | Reimbursable | - KSC | KCA-4515-7 Rev. Basic |

| 618 | 31293 | UNITED LAUNCH ALLIANCE, LLC | Annex No. 27 to Fully Reimbursable SAA between United Launch | 9/25/2019 | 2/21/2023 | Reimbursable | - KSC | KCA-4556-27 Rev Basic |
|-----|-------|--------------------------------|--|------------|------------|--------------------------|-------|-----------------------|
| 619 | 31241 | Eastern Florida State College | High Schools United with NASA to Create Hardware (HUNCH) | 10/22/2019 | 10/22/2024 | Non-Reimbursable \$28,33 | 1 KSC | KCA-4629 |
| 620 | 31127 | THE BOEING COMPANY | Annex No. 3 to Reimbursable Umbrella SAA between NASA KSC | 9/13/2019 | 9/30/2021 | Reimbursable | - KSC | KCA-4515-3 Rev Basic |
| 621 | 31119 | AECOM Management Services, Inc | Annex 23 to Fully Reimbursable Umbrella SAA between NASA K | 9/20/2019 | 9/30/2020 | Reimbursable | - KSC | KCA-4495-23 Rev Basic |
| 622 | 31117 | AECOM Management Services, Inc | Annex 22 to Fully Reimbursable Umbrella SAA between NASA K | 9/20/2019 | 9/30/2020 | Reimbursable | - KSC | KCA-4495-22 Rev Basic |
| 623 | 31114 | AECOM Management Services, Inc | Annex 21 to Fully Reimbursable Umbrella SAA between NASA K | 9/20/2019 | 9/30/2020 | Reimbursable | - KSC | KCA-4495-21 Rev Basic |

| 624 31111 | AECOM Management Services, Inc | Annex 20 to Fully Reimbursable Umbrella SAA between NASA K 9/20/2019 | 9/30/2020 | Reimbursable | KSC | KCA-4495-20 Rev Basic |
|-----------|---|--|------------|------------------|--------------|-----------------------|
| 625 31066 | THE BOEING COMPANY | Annex No. 6 to Reimbursable Umbrella SAA between NASA KSC 9/10/2019 | 9/30/2020 | Reimbursable | KSC | KCA-4515-6 Rev Basic |
| 626 31059 | RUAG Space USA, Inc | Annex No. 3 to Reimbursable Umbrella SAA with RUAG SPACE 10/2/2019 | 10/2/2021 | Reimbursable | KSC | KCA-4544-3 Rev Basic |
| 627 31030 | Jacobs Technologies Inc. | Annex 3 to Fully Reimbursable Umbrella SAA between NASA and 9/16/2019 | 9/30/2020 | Reimbursable | KSC | KCA-4604-3 Rev Basic |
| 628 30997 | SPACE EXPLORATION TECHNOLOGIES CO | Annex No. 18 to Fully Reimbursable Space Act Umbrella Agreem 9/16/2019 | 9/30/2022 | Reimbursable | KSC | KCA-4513-18 Rev Basic |
| 629 30833 | SPACE COAST MACHINIST APPRENTICESHIP PROGRAM, INC. | KCA-4625, Nonreimbursable Space Act Agreement Between the National Aeronautics and Space Administration John F. Kennedy Space Center and Space Coast Machinist Apprenticeship Program for High Schools United with NASA to Create Hardware (HUNCH) Program | 10/24/2024 | Non-Reimbursable | \$28,397 KSC | KCA-4625 Rev Basic |

| 630 | 30770 | UNITED LAUNCH ALLIANCE, LLC | Annex No. 24 to Fully Reimbursable SAA between United Launch | 7/19/2019 | 2/21/2023 | Reimbursable | - KSC | KCA-4556-24 Rev Basic |
|-----|-------|--------------------------------|--|-----------|-----------|--------------|-------|-----------------------|
| 631 | 30684 | ORBITAL ATK, INC | Annex No. 8 to Reimbursable Umbrella SAA between KSC and C | 7/18/2019 | 9/30/2020 | Reimbursable | - KSC | KCA-4500-8 Rev Basic |
| 632 | 30683 | ORBITAL ATK, INC | Annex No. 6 to Reimbursable Umbrella SAA between KSC and C | 7/18/2019 | 1/31/2021 | Reimbursable | - KSC | KCA-4500-6 Rev Basic |
| 633 | 30673 | ORBITAL ATK, INC | Annex No. 7 to Reimbursable Umbrella SAA between KSC and C | 7/18/2019 | 1/31/2021 | Reimbursable | - KSC | KCA-4500-7 Rev Basic |
| 634 | 30669 | AECOM Management Services, Inc | Annex 19 to Fully Reimbursable Umbrella SAA between NASA K | 8/5/2019 | 9/30/2020 | Reimbursable | - KSC | KCA-4495-19 Rev Basic |
| 635 | 30659 | RELATIVITY SPACE, INC | KCA-4622-1, Annex No. 1 to the Reimbursable Umbrella Space A | 8/13/2019 | 8/13/2022 | Reimbursable | - KSC | KCA-4622-1 Rev Basic |

| 636 | 30658 | RELATIVITY SPACE, INC | KCA-4622, Reimbursable Umbrella Space Act Agreement between | 8/13/2019 | 8/13/2024 | Reimbursable | KSC | KCA-4622 Rev Basic |
|-----|-------|--------------------------------|--|-----------|------------|--------------------------|-------|-----------------------|
| 637 | 30552 | ORBITAL ATK, INC | Reimbursable SAA between NASA, KSC and Orbital Sciences Co | 6/5/2019 | 9/30/2020 | Reimbursable | KSC | KCA-4612 Rev Basic |
| 638 | 30494 | UNIVERSITY OF DAYTON | Annex No. 2 to Reimbursable Umbrella SAA between KSC and U | 9/11/2019 | 12/22/2022 | Reimbursable | KSC | KCA-4550-2 Rev Basic |
| 639 | 30480 | Full Sail University | Nonreimbursable Space Act Agreement Between The National Aeronautics and Space Administration John F. Kennedy Space Center and Full Sail University for Furtherance of STEM Learning by Providing a Senior Software Design Project | 12/9/2019 | 12/9/2021 | Non-Reimbursable \$20,05 | 8 KSC | KCA-4628 Rev Basic |
| 640 | 30396 | ORBITAL ATK, INC | Annex No. 5 to Reimbursable Umbrella SAA between KSC and C | 6/5/2019 | 1/31/2021 | Reimbursable | KSC | KCA-4500-5 Rev Basic |
| 641 | 30297 | AECOM Management Services, Inc | Annex 12 to Fully Reimbursable Umbrella SAA between NASA K | 5/20/2019 | 9/30/2020 | Reimbursable | KSC | KCA-4495-12 Rev Basic |

| 642 | 30261 | SPACE EXPLORATION TECHNOLOGIES CO | Annex No. 17 to Fully Reimbursable Space Act Umbrella Agreem | 5/21/2019 | 9/30/2020 | Reimbursable | } | KSC | KCA-4513-17 Rev Basic |
|-----|-------|-----------------------------------|---|-----------|------------|--------------------------|----------|-----|-----------------------|
| 643 | 30212 | Blue Origin Florida, LLC | Annex No.5 to Fully Reimbursable Umbrella SAA Between NASA | 4/25/2019 | 12/3/2023 | Reimbursable | l | KSC | KCA-4555-5 Rev Basic |
| 644 | 30165 | Jacobs Technologies Inc. | Fully Reimbursable Umbrella SAA between NASA and Jacobs Te | 4/29/2019 | 9/30/2021 | Reimbursable | } | KSC | KCA-4604 Rev Basic |
| 645 | 30086 | ORBITAL ATK, INC | Annex No. 4 to Reimbursable Umbrella SAA between KSC and C | 4/10/2019 | 12/31/2020 | Reimbursable | l | KSC | KCA-4500-4 Rev Basic |
| 646 | 30047 | Blue Origin Florida, LLC | Annex No. 4 to Fully Reimbursable Umbrella SAA Between NASA | 4/5/2019 | 12/3/2023 | Reimbursable | | KSC | KCA-4555-4 Rev Basic |
| 647 | 29903 | ASTRONAUTS MEMORIAL FOUNDATION | Nonreimbursable SAA between NASA and the Astronaut Memorial Foundation for a NASA Exploration Station | 4/5/2019 | 4/5/2024 | Non-Reimbursable \$1,082 | 832 I | KSC | KCA-4605 Rev Basic |

| 648 | 29841 | Winston-Salem State University | KSC Food Production and Winston-Salem State University | 7/24/2019 | 7/24/2023 | Non-Reimbursable | \$85,105 | KSC | KCA-4611 Rev Basic |
|-----|-------|---------------------------------|--|-----------|-----------|------------------|-----------|-----|-----------------------|
| 649 | 29816 | SIERRA LOBO, INC | Nonreimbursable SAA between Sierra LOBO INC. and NASA KSC for development, Operations, and Data Analysis for a Cryogenic Fluid Management Cubesat Mission (KCA-4600) | 7/26/2019 | 7/26/2024 | Non-Reimbursable | \$174,984 | KSC | KCA-4600 Rev Basic |
| 650 | 29815 | Florida League of Cities | Annex No. 1 to the Reimbursable Umbrella SAA between NASA | 7/1/2019 | 10/1/2020 | Reimbursable | | KSC | KCA-4601-1 Rev. Basic |
| 651 | 29814 | Florida League of Cities | Reimbursable Umbrella SAA between NASA KSC and Florida Le | 7/1/2019 | 7/1/2024 | Reimbursable | | KSC | KCA-4601 Rev Basic |
| 652 | 29804 | Astrotech Space Operations, LLC | KCA-4603, Nonreimbursable Space Act Agreement Between NASA KSC and Astrotech Space Operations, LLC for Reciprocal Access to Fiber Optic Communications Circuit | 8/21/2019 | 8/21/2024 | Non-Reimbursable | \$172,855 | KSC | KCA-4603 Rev. Basic |
| 653 | 29787 | Blue Origin Florida, LLC | Annex No. 3 to Fully Reimbursable Umbrella SAA Between NASA | 2/14/2019 | 12/3/2023 | Reimbursable | | KSC | KCA-4555-3 Rev Basic |

| 654 | 29729 | Blazing Trails | KCA-4606, Nonreimbursable Space Act Agreement Between the National Aeronautics and Space Administration John F. Kennedy Space Center and Blazing Trails for High Schools United with NASA to Create Hardware (HUNCH) Program | 5/8/2019 | 5/8/2024 | Non-Reimbursable \$48 | ,432 | KSC | KCA-4606 Rev Basic |
|-----|-------|---|--|------------|-----------|-----------------------|------|-----|-----------------------|
| 655 | 29727 | AECOM Management Services, Inc | Annex 18 to Fully Reimbursable Umbrella SAA between NASA K | 3/1/2019 | 9/30/2020 | Reimbursable | | KSC | KCA-4495-18 Rev Basic |
| 656 | 29653 | Pressure Dynamic Consultants PDC Machines | Research and Development of Hydrogen Liquid to Gas Conversion | 6/5/2019 | 6/5/2021 | Reimbursable | | KSC | KCA-4598-1 Rev Basic |
| 657 | 29652 | Pressure Dynamic Consultants PDC Machines | Reimbursable Umbrella SAA with PDC for High Pressure Hydrog | 6/5/2019 | 12/5/2021 | Reimbursable | | KSC | KCA-4598 Rev Basic |
| 658 | 29609 | Blue Origin Florida, LLC | Annex No. 2 to Fully Reimbursable Umbrella SAA Between NASA | 12/27/2018 | 12/3/2023 | Reimbursable | | KSC | KCA-4555-2 Rev Basic |
| 659 | 29552 | AECOM Management Services, Inc | Annex 17 to Fully Reimbursable Umbrella SAA between NASA K | 1/29/2019 | 9/30/2020 | Reimbursable | | KSC | KCA-4495-17 Rev Basic |

| 660 | 29548 | UNITED LAUNCH ALLIANCE, LLC | Annex No.14 to Fully Reimbursable SAA between United Launch | 12/12/2018 | 12/31/2020 | Reimbursable | KSC | KCA-4556-14 Rev Basic |
|-----|-------|-----------------------------|---|------------|------------|------------------------|---------|-----------------------|
| 661 | 29503 | University of North Dakota | Nonreimbursable Space Act Agreeement with University of North Dakota MISSE-11 Mission for Spacesuite Material Sample | 12/13/2018 | 12/13/2023 | Non-Reimbursable \$2,2 | 14 KSC | KCA-4595 Rev Basic |
| 662 | 29481 | UNITED LAUNCH ALLIANCE, LLC | Annex No.13 to Fully Reimbursable SAA between United Launch | 12/3/2018 | 2/21/2023 | Reimbursable - | KSC | KCA-4556-13 Rev Basic |
| 663 | 29407 | Mayo Clinic Jacksonville | Nonreimbursable SAA with Mayo Clinic Jacksonville for Stem Cell Research Project - SpaceX CRS-16 Mission | 11/26/2018 | 11/26/2021 | Non-Reimbursable \$9, | 78 KSC | KCA-4593 Rev Basic |
| 664 | 29404 | Level 3 Communications, LLC | Space Act Agreement between NASA, KSC and Level 3 Communications LLC for Use of Various Fiber Optics Terminals | 2/22/2019 | 2/22/2024 | Non-Reimbursable | \$0 KSC | KCA-4586 Rev Basic |
| 665 | 29304 | UNIVERSITY OF SOUTH FLORIDA | ANNEX 3 BETWEEN NASA AND USF FOR IN SITU RESOURCE UTILIZATION (ISRU) METHANATION AND CARBON DIOXIDE ACQUISITION MODELING AND ANALYSIS | | 2/25/2021 | Non-Reimbursable \$4, | 83 KSC | KCA-4486-3 Rev Basic |

| 666 | 29277 | BLUE ORIGIN, LLC | Annex 1 for Fully Reimbursable Umbrella SAA Between NASA K | 12/3/2018 | 12/3/2023 | Reimbursable | - KSC | KCA-4555-1 Rev. Basic |
|-----|-------|-----------------------------|---|------------|-----------|---------------------------|-------|-----------------------|
| 667 | 29276 | Blue Origin Florida, LLC | Fully Reimbursable Umbrella SAA Between NASA KSC and Blue | 12/3/2018 | 12/3/2023 | Reimbursable | - KSC | KCA-4555 Rev. Basic |
| 668 | 29263 | THE BOEING COMPANY | Annex No. 4 to Reimbursable Umbrella SAA between NASA KSC | 210/1/2018 | 8/21/2023 | Reimbursable | - KSC | KCA-4515-4 Rev Basic |
| 669 | 29191 | Volusia County Schools | KCA-4591, Nonreimbursable SAA between NASA, KSC and Volusia County Schools for High School Students United with NASA to Create Hardware (HUNCH) Program Participation with Volusia County Schools | 3/7/2019 | 3/7/2024 | Non-Reimbursable \$70,444 | I KSC | KCA-4591 Rev Basic |
| 670 | 29174 | Lake Technical College | KCA-4590, Nonreimbursable SAA between NASA, KSC and Lake Technical College for High School Students United with NASA to Create Hardware (HUNCH) Program Participation with Lake Technical College (LTC) | 3/15/2019 | 3/15/2024 | Non-Reimbursable \$67,904 | KSC | KCA-4590 Rev Basic |
| 671 | 29094 | UNITED LAUNCH ALLIANCE, LLC | Annex No. 11 to Fully Reimbursable SAA between United Launch | 19/13/2018 | 2/21/2023 | Reimbursable | - KSC | KCA-4556-11 Rev Basic |

| 672 | 29093 | SPACE EXPLORATION TECHNOLOGIES CC | Annex No. 11 to Fully Reimbursable Space Act Umbrella Agreem | 9/24/2018 | 9/30/2022 | Reimbursable | - KSC | KCA-4513-11 Rev Basic |
|-----|-------|-----------------------------------|--|-----------|------------|--------------|-------|-----------------------|
| 673 | 29072 | SPACE EXPLORATION TECHNOLOGIES CO | Annex No. 9 to Fully Reimbursable Space Act Umbrella Agreeme | 9/11/2018 | 11/17/2022 | Reimbursable | - KSC | KCA-4513-9 Rev Basic |
| 674 | 29049 | UNITED LAUNCH ALLIANCE, LLC | Annex No. 7 to Fully Reimbursable SAA between United Launch | 9/11/2018 | 2/21/2023 | Reimbursable | - KSC | KCA-4556-7 Rev Basic |
| 675 | 28930 | ORBITAL ATK, INC | Annex No. 2 to Reimbursable Umbrella SAA between KSC and C | 8/23/2018 | 1/31/2021 | Reimbursable | - KSC | KCA-4500-2 Rev Basic |
| 676 | 28929 | ORBITAL ATK, INC | Annex No. 1 to Reimbursable Umbrella SAA between KSC and C | 8/23/2018 | 8/23/2023 | Reimbursable | - KSC | KCA-4500-1 Rev Basic |
| 677 | 28928 | ORBITAL ATK, INC | Reimbursable Umbrella SAA between KSC and Orbital Sciences | 8/23/2018 | 8/23/2023 | Reimbursable | - KSC | KCA-4500 Rev Basic |

| 678 | 28870 | THE BOEING COMPANY | Annex No. 1 to Reimbursable Umbrella SAA between NASA KSC | 8/21/2018 | 8/21/2023 | Reimbursable | KSC | KCA-4515-1 Rev Basic |
|-----|-------|-------------------------------------|--|-----------|------------|--------------------------|-------|-----------------------|
| 679 | 28869 | THE BOEING COMPANY | Reimbursable Umbrella SAA between NASA KSC and The Boein | 8/21/2018 | 8/21/2023 | Reimbursable | KSC | KCA-4515 Rev Basic |
| 680 | 28858 | AECOM Management Services, Inc | Annex 15 to Fully Reimbursable Umbrella SAA between NASA K | 8/22/2018 | 9/30/2020 | Reimbursable | KSC | KCA-4495-15 Rev Basic |
| 681 | 28819 | Polk State College | Nonreimbursable SAA between NASA and Polk State College for High School Students United with NASA to Create Hardware (HUNCH) Program Participation | 8/6/2018 | 8/6/2023 | Non-Reimbursable \$57,19 | 1 KSC | KCA-4582 Rev Basic |
| 682 | 28776 | SPACE EXPLORATION TECHNOLOGIES CO | Reimbursable SAA between NASA KSC and Space Exploration 1 | 8/6/2018 | 12/15/2020 | Reimbursable | KSC | KCA-4581 Rev Basic |
| 683 | 27999 | SPACE FLORIDA, AN INDEPENDENT SPECI | Annex No.8 to Reimbursable Space Act Agreement with Space F | 4/18/2018 | 12/14/2022 | Reimbursable | KSC | KCA-4548-8 Rev Basic |

| 684 | 27912 | University of Florida | Annex No. 1 to Development of Biological Imaging Systems for Growth, Biological Assessment of Flight Hardware and Space Biology Studies in Space relevant Environments with University of Florida (KCA-4572-1) | 11/14/2018 | 11/14/2023 | Non-Reimbursable \$1 | 29,077 | KSC | KCA-4572-1 Rev Basic |
|-----|-------|----------------------------------|--|------------|------------|----------------------|--------|-----|-----------------------|
| 685 | 27911 | University of Florida | Nonreimburseable Space Act Agreement for Collaborative Research, Technology Transfer, Academic Engagement, and Outreach Activities | 11/14/2018 | 11/14/2023 | Non-Reimbursable | \$0 | KSC | KCA-4572 Rev Basic |
| 686 | 27649 | SPACE EXPLORATION TECHNOLOGIES C | CAnnex No. 10 to Fully Reimbursable Space Act Umbrella Agreem | 2/23/2018 | 11/17/2022 | Reimbursable | | KSC | KCA-4513-10 Rev Basic |
| 687 | 27641 | ASRC Federal Data Solutions | Fully Reimbursable Umbrella SAA between NASA and ASRC Fed | 2/26/2018 | 9/30/2021 | Reimbursable | | KSC | KCA-4559 Rev Basic |
| 688 | 27639 | UNITED LAUNCH ALLIANCE, LLC | Annex No. 1 to Fully Reimbursable SAA between United Launch | 2/22/2018 | 2/22/2023 | Reimbursable | | KSC | KCA-4556-1 Rev Basic |
| 689 | 27632 | UNITED LAUNCH ALLIANCE, LLC | Fully Reimbursable SAA between United Launch Alliance, LLC ar | 2/22/2018 | 2/22/2023 | Reimbursable | | KSC | KCA-4556 Rev Basic |

| 690 | 27587 | SPACE FLORIDA, AN INDEPENDENT SPECI | Annex No. 3 to Reimbursable Space Act Agreement with Space I | 2/19/2018 | 12/14/2022 | Reimbursable | - KSC | KCA-4548-3 Rev Basic |
|-----|-------|-------------------------------------|--|-------------|------------|--------------|-------|----------------------|
| 691 | 27565 | SPACE FLORIDA, AN INDEPENDENT SPECI | Annex No. 5 to Reimbursable Space Act Agreement with Space I | 2/13/2018 1 | 12/14/2022 | Reimbursable | - KSC | KCA-4548-5 Rev Basic |
| 692 | 27564 | SPACE FLORIDA, AN INDEPENDENT SPECI | Annex No. 4 to Reimbursable Space Act Agreement with Space I | 2/13/2018 1 | 12/14/2022 | Reimbursable | - KSC | KCA-4548-4 Rev Basic |
| 693 | 27509 | SPACE FLORIDA, AN INDEPENDENT SPECI | Annex No 9 to Reimbursable Space Act Agreement with Space F | 1/18/2018 1 | 12/14/2022 | Reimbursable | - KSC | KCA-4548-9 Rev Basic |
| 694 | 27507 | SPACE FLORIDA, AN INDEPENDENT SPECI | Annex No. 6 to Reimbursable Space Act Agreement with Space I | 1/18/2018 1 | 12/14/2022 | Reimbursable | - KSC | KCA-4548-6 Rev Basic |
| 695 | 27506 | SPACE FLORIDA, AN INDEPENDENT SPECI | Annex No. 2 to Reimbursable Space Act Agreement with Space I | 1/18/2018 1 | 12/14/2022 | Reimbursable | - KSC | KCA-4548-2 Rev Basic |

| 696 | 27356 | FLORIDA INSITUTE OF TECHNOLOGY | Annex No. 4 to the Nonreimbursable SAA with Florida Institute of Technology (FIT) for Joint Research on the Performance of Crop Species Grown in Martian Simulants | 1/10/2018 | 1/10/2021 | Non-Reimbursable \$11, | 335 K | SC KCA-4471-4 Rev Basic |
|-----|-------|-------------------------------------|--|------------|------------|------------------------|-------|-------------------------|
| 697 | 27290 | UNIVERSITY OF DAYTON | Reimbursable Umbrella SAA between KSC and University of Day | 12/22/2017 | 12/22/2022 | Reimbursable | K | SC KCA-4550 Rev Basic |
| 698 | 27258 | SPACE FLORIDA, AN INDEPENDENT SPECI | Annex No. 1 to Reimbursable Space Act Agreement with Space F | 12/15/2017 | 12/14/2022 | Reimbursable | K | SC KCA-4548-1 Rev Basic |
| 699 | 27257 | SPACE FLORIDA, AN INDEPENDENT SPECI | Reimbursable Space Act Agreement with Space Florida for Use of | 12/14/2017 | 12/14/2022 | Reimbursable | K | SC KCA-4548 Rev Basic |
| 700 | 26866 | SPACE EXPLORATION TECHNOLOGIES CO | Annex No. 8 to Fully Reimbursable Space Act Umbrella Agreeme | 12/2/2017 | 9/30/2022 | Reimbursable | K | SC KCA-4513-8 Rev Basic |
| 701 | 26865 | SPACE EXPLORATION TECHNOLOGIES CO | Annex No. 7 to Fully Reimbursable Space Act Umbrella Agreeme | 12/2/2017 | 9/30/2022 | Reimbursable | K | SC KCA-4513-7 Rev Basic |

| 702 | 26861 | SPACE EXPLORATION TECHNOLOGIES CO | Annex No. 6 to Fully Reimbursable Space Act Umbrella Agreeme | 12/2/2017 | 9/30/2022 | Reimbursable | - KSC | KCA-4513-6 Rev Basic |
|-----|-------|-----------------------------------|--|------------|------------|--------------|-------|----------------------|
| 703 | 26860 | SPACE EXPLORATION TECHNOLOGIES CO | Annex No. 5 to Fully Reimbursable Space Act Umbrella Agreeme | 12/2/2017 | 9/30/2022 | Reimbursable | - KSC | KCA-4513-5 Rev Basic |
| 704 | 26859 | SPACE EXPLORATION TECHNOLOGIES CO | Annex No. 4 to Fully Reimbursable Space Act Umbrella Agreeme | 12/2/2017 | 9/30/2022 | Reimbursable | - KSC | KCA-4513-4 Rev Basic |
| 705 | 26858 | SPACE EXPLORATION TECHNOLOGIES CO | Annex No. 3 to Fully Reimbursable Space Act Umbrella Agreem | :12/2/2017 | 9/30/2022 | Reimbursable | - KSC | KCA-4513-3 Rev Basic |
| 706 | 26857 | SPACE EXPLORATION TECHNOLOGIES CC | Annex No. 2 to Fully Reimbursable Space Act Umbrella Agreeme | 12/2/2017 | 9/30/2022 | Reimbursable | - KSC | KCA-4513-2 Rev Basic |
| 707 | 26856 | SPACE EXPLORATION TECHNOLOGIES CO | Annex No. 1 to Fully Reimbursable Space Act Umbrella Agreeme | 11/17/2017 | 11/17/2022 | Reimbursable | - KSC | KCA-4513-1 Rev Basic |

| 708 | 26855 | SPACE EXPLORATION TECHNOLOGIES C | CFully Reimbursable Space Act Umbrella Agreement between NA | 11/17/2017 | 11/17/2022 | Reimbursable | KSC | KCA-4513 Rev Basic |
|-----|-------|--|--|------------|------------|------------------------|---------|--------------------|
| 709 | 26738 | Valencia College | Nonreimbursable SAA between NASA and Valencia College for High School Students United with NASA to Create Hardware (HUNCH) Program Participation | 9/7/2017 | 9/7/2022 | Non-Reimbursable \$227 | 557 KSC | KCA-4528 Rev Basic |
| 710 | 26590 | ASTRONAUTS MEMORIAL FOUNDATION | Lease Agreement for The Center for Space Education | 8/21/2017 | 9/30/2020 | Other | \$0 KSC | KCA-4525 |
| 711 | 26245 | PPG Industries, Inc | Reimbursable SAA between NASA and PPG Industries, Inc for P | 12/20/2017 | 12/19/2021 | Reimbursable | KSC | KCA-4554 Rev Basic |
| 712 | 25982 | Canaveral Council of Technical Societies | Nonreimbursable Space Act Agreement with CCTS for the Collaboration on the Annual Space Congress Event | 6/14/2017 | 6/14/2022 | Non-Reimbursable \$162 | 020 KSC | KCA-4526 |
| 713 | 25967 | RUAG Space USA, Inc | Reimbursable Umbrella SAA with RUAG SPACE USA, INC for N | 9/21/2017 | 9/21/2022 | Reimbursable | KSC | KCA-4544 |

| 714 25544 | University of Puerto Rico | Nonreimbursable Agreement between NASA and Univ Puerto Rico for NASA Educator Resource Center 7/13/2017 | 7/13/2022 | Non-Reimbursable | \$19,888 KSC | KCA-4529 Rev Basic |
|-----------|--|---|------------|------------------|---------------|--------------------|
| 715 25428 | Integrated Mission Support Services, LLC | Annex 13 to Fully Reimbursable Umbrella SAA between NASA ar 3/27/2017 | 9/30/2020 | Reimbursable | KSC | KCA-4464-13 |
| 716 24609 | SEMINOLE COUNTY PUBLIC SCHOOLS | KCA-4517, Nonreimbursable SAA between NASA KSC and the School Board of Seminole County, FL for High School Students United with NASA to Create Hardware (HUNCH) Program Participation | 10/19/2022 | Non-Reimbursable | \$277,277 KSC | KCA-4517 |
| 717 24427 | FLORIDA INSTITUTE OF TECHNOLOGY | Annex 3 to Nonreimbursable SAA with Florida Institute of Technology (FIT) for Collaborative Research, Technology Transfer, Education and Outreach Activities | 6/29/2021 | Non-Reimbursable | \$106,645 KSC | KCA-4471-3 |
| 718 24385 | Blue Origin, LLC | Fully Reimbursable SAA between Blue Origin, LLC and NASA for 3/27/2017 | 3/27/2022 | Reimbursable | KSC | KCA-4514 |
| 719 24320 | Brevard County Public Schools | Nonreimbursable SAA between NASA and High School Students United to Create Hardware (HUNCH) Prorgram Participation (Brevard County) 4/21/2017 | 4/21/2022 | Non-Reimbursable | \$539,103 KSC | KCA-4518 |

| 720 | 24296 | UNITED LAUNCH ALLIANCE, LLC | Fully Reimbursable SAA between United Launch Alliance, LLC a | r 9/28/2016 | 9/28/2021 | Reimbursable | | KSC | KCA-4504 Rev Basic |
|-----|-------|---|--|-------------|-----------|----------------------|-----------|-----|---------------------|
| 721 | 24165 | UNITED LAUNCH ALLIANCE, LLC | Annex No. 2 for Nonreimbursable SAA Umbrella Agreement between NASA and ULA, LLC for Demonstration of Cryogenic and Secondary Technologies for Launch Vehicles | 9/13/2016 | 1/21/2021 | Non-Reimbursable \$. | 2,639,520 | KSC | KCA-4461-2 |
| 722 | 24145 | AECOM Management Services, Inc | Fully Reimbursable Umbrella SAA between NASA KSC and AEC | 9/8/2016 | 9/30/2020 | Reimbursable | | KSC | KCA-4495 Rev Basic |
| 723 | 23983 | Blue Origin | Nonreimbursable SAA between NASA and Blue Origin for Commercial Space Capabilities Collabortion | 4/15/2016 | 4/15/2021 | Non-Reimbursable | \$248,453 | KSC | KCA-4502 Rev. Basic |
| 724 | 23737 | University of the Virgin Islands St. Thomas | Nonreimbursable SAA between University of the VI St. Thomas and NASA for Regional Educator Resource Center | 4/19/2017 | 4/19/2022 | Non-Reimbursable | \$45,844 | KSC | KCA-4498 |
| 725 | 23035 | Integrated Mission Support Services, LLC | Annex 11 to Fully Reimbursable Umbrella SAA between NASA a | r 5/3/2016 | 9/30/2020 | Reimbursable | | KSC | KCA-4464-11 |

| 726 23034 | Integrated Mission Support Services, LLC | Annex 10 to Fully Reimbursable Umbrella SAA between NASA ar 5/3/2016 | 9/30/2020 | Reimbursable | KSC | KCA-4464-10 |
|-----------|--|---|-----------|------------------|-----------------|----------------------|
| 727 22887 | BREVARD COUNTY FIRE RESCUE | Nonreimbursable SAA between Brevard County Fire Rescue and NASA KSC for Mutual Aid 3/29/2016 | 3/29/2021 | Non-Reimbursable | \$0 KSC | KCA-4437 |
| 728 22478 | MUSEUM OF AVIATION FOUNDATION | Nonreimbursable SAA between Museum of Aviation and NASA KSC for NASA Regional Educator Resource Center (RERC) 5/2/2016 | 5/2/2021 | Non-Reimbursable | \$36,801 KSC | KCA-4477 |
| 729 22377 | UNITED LAUNCH ALLIANCE, LLC | Annex No. 1 to Nonreimbursable SAA Umbrella Agreement between NASA and ULA, LLC for Demonstration of Cryogenic and Secondary Technologies for Launch Vehicles | 1/21/2021 | Non-Reimbursable | \$2,161,402 KSC | KCA-4461-1 Rev Basic |
| 730 22376 | UNITED LAUNCH ALLIANCE, LLC | Nonreimbursable SAA Umbrella Agreement between NASA and ULA, LLC for Demonstration of Cryogenic and Secondary Technologies for Launch Vehicles | 1/21/2021 | Non-Reimbursable | \$0 KSC | KCA-4461 Rev Basic |
| 731 22325 | American Honda Motor Co. | Reimbursable SAA Umbrella Agreement between NASA and Hor 3/23/2016 | 3/23/2021 | Reimbursable | KSC | KCA-4473 |

| 732 | 22324 | Intergrated Mission Support Services, LLC | Annex 8 to Fully Reimbursable Umbrella SAA between NASA and | 2/2/2016 | 9/30/2020 | Reimbursable | KSC | KCA-4464-8 |
|-----|-------|---|---|----------|-----------|--------------|-----|------------|
| 733 | 22323 | Intergrated Mission Support Services, LLC | Annex 7 to Fully Reimbursable Umbrella SAA between NASA and | 2/2/2016 | 9/30/2020 | Reimbursable | KSC | KCA-4464-7 |
| 734 | 22322 | Integrated Mission Support Services, LLC | Annex 6 to Fully Reimbursable Umbrella SAA between NASA and | 2/2/2016 | 9/30/2020 | Reimbursable | KSC | KCA-4464-6 |
| 735 | 22320 | Integrated Mission Support Services, LLC | Annex 5 to Fully Reimbursable Umbrella SAA between NASA and | 2/2/2016 | 9/30/2020 | Reimbursable | KSC | KCA-4464-5 |
| 736 | 22319 | Integrated Mission Support Services, LLC | Annex 4 to Fully Reimbursable Umbrella SAA between NASA and | 2/2/2016 | 9/30/2020 | Reimbursable | KSC | KCA-4464-4 |
| 737 | 22318 | Integrated Mission Support Services, LLC | Annex 3 to Fully Reimbursable Umbrella SAA between NASA and | 2/2/2016 | 9/30/2020 | Reimbursable | KSC | KCA-4464-3 |

| 738 | 22315 | Integrated Mission Support Services, LLC | Annex 2 to Fully Reimbursable Umbrella SAA between NASA and | 2/2/2016 | 9/30/2020 | Reimbursable | - KSC | KCA-4464-2 |
|-----|-------|--|---|------------|------------|----------------------|-------|--------------------|
| 739 | 22119 | Integrated Mission Support Services, LLC | Fully Reimbursable Umbrella SAA between NASA and Integrated | 1/20/2016 | 9/30/2020 | Reimbursable | - KSC | KCA-4464 Rev Basic |
| 740 | 21822 | UNIVERSITY OF SOUTH FLORIDA | Nonreimbursable SAA Umbrella Agreement between NASA KSC and University of South Florida for Collaborative Research | 9/9/2016 | 9/9/2021 | Non-Reimbursable \$ | KSC | KCA-4486 Rev Basic |
| 741 | 21351 | FLORIDA INSTITUTE OF TECHNOLOGY | Nonreimbursable SAA with Florida Institute of Technology (FIT) for Collaborative Research, Technology Transfer, Education and Outreach Activities | 6/29/2016 | 6/29/2021 | Non-Reimbursable \$6 | KSC | KCA-4471 |
| 742 | 20918 | CATERPILLAR, INC. | Non-Reimbursable Umbrella Space Act Agreement Between NASA KSC and Caterpillar INC. for Space Technology Development and Testing | 12/18/2015 | 12/18/2020 | Non-Reimbursable \$ | KSC | KCA-4453 |
| 743 | 20723 | Space Florida | Property Agreement between NASA KSC and Space Florida for | 6/22/2015 | 6/22/2045 | Reimbursable | - KSC | KCA-4412 |

| 744 | 14880 | Sierra Nevada Corporation | Space Act Agreement between NASA and Sierra Nevada Corporation for Commercial Crew Integrated Capability (CCiCap) | 8/1/2022 | Funded | \$227,500,000 KSC | NNK12MS03S |
|-----|-------|--|---|------------|------------------|-------------------|----------------|
| 745 | 10940 | Space Florida, an independent special district | Real Property Use Permit between NASA KSC and Space Florida 10/6/2011 | 6/1/2027 | Reimbursable | KSC | KCA-4311 |
| 746 | 10479 | UNITED LAUNCH ALLIANCE, LLC | SAA between United Launch Alliance and NASA Launch Services 8/23/2011 | 12/31/2027 | Reimbursable | KSC | KCA-4333 |
| 747 | 3798 | Spaceport Florida Authority | REAL PROPERTY USE PERMIT BETWEEN NASA AND SPACE 4/5/2001 | 10/3/2033 | Reimbursable | KSC | KCA-1683-BASIC |
| 748 | 3786 | Florida Space Authority | USE PERMIT FOR DESIGN, CONSTRUCTION & ACTIVATION 11/1/1999 | 12/31/9999 | Non-Reimbursable | KSC | KCA-1487-BASIC |
| 749 | 33359 | LOCKHEED MARTIN | Heat Pipe Cooled Forebody Demonstrator 9/24/2020 | 9/24/2021 | Reimbursable | LaRC | SAA1-28174 |

| 750 33329 | Hexcel Corporation | Investigation of Novel Usage of Embedded High Resistance Caps | 9/15/2020 | 6/15/2022 | Non-Reimbursable | \$18,976 LaRC | SAA1-33328, Annex 1 |
|-----------|---|--|-----------|-----------|------------------|---------------|---------------------|
| 751 33328 | Hexcel Corporation | Investigation of Manufacturing Techniques for Novel Acoustic Liners | 9/15/2020 | 9/15/2025 | Non-Reimbursable | \$0 LaRC | SAA1-33328 |
| 752 33323 | The Governors School for Science and Technology | STEM Education Collaboration | 9/24/2020 | 9/24/2023 | Non-Reimbursable | \$49,366 LaRC | SAA1-33323 |
| 753 32960 | SPECTRAL ENERGIES, LLC (SE) | High-Speed, Noninvasive, Multi-Parameter Laser Diagnostics for Transonic Flows | 7/22/2020 | 7/22/2022 | Non-Reimbursable | \$66,615 LaRC | SAA1-32960 |
| 754 32909 | Airflow Sciences Corporation | Acoustic Liner Design for Air Amplifier | 7/15/2020 | 1/15/2021 | Reimbursable | LaRC | SAA1-32909 |
| 755 32894 | Techmer PM | Evaluation of Lunar Dust Simulant Adhesion on Advanced Commercial Materials | 9/15/2020 | 5/15/2022 | Non-Reimbursable | \$14,416 LaRC | SAA1-32894 |

| 756 | 32878 | Psionic, LLC | Psionic Engineering Test Unit (ETU) Navigation Doppler Lidar (N | 7/17/2020 | 9/30/2021 | Reimbursable | - LaRC | SAA1-23647, Annex 5 |
|-----|-------|---------------------------------|---|-----------|-----------|--------------------------|--------|---------------------|
| 757 | 32810 | IKONICS Corporation | Evaluation of Facesheets with Variable Geometry | 8/13/2020 | 2/12/2022 | Non-Reimbursable \$6,22 | 6 LaRC | SAA1-32809, Annex 1 |
| 758 | 32809 | IKONICS Corporation | Investigation of Liner Facesheet Manufacturing Innovations | 8/13/2020 | 8/12/2025 | Non-Reimbursable \$ |) LaRC | SAA1-32809 |
| 759 | 32793 | Radford University | NASA's Modeling and Simulation-Based Educator Professional Development (EPD) Workshop for High School Mathematics | 8/3/2020 | 8/3/2021 | Non-Reimbursable \$23,51 | 3 LaRC | SAA1-32792, Annex 1 |
| 760 | 32792 | Radford University | Collaboration between NASA and Radford University's Modeling and Simulation Institute | 8/3/2020 | 8/3/2025 | Non-Reimbursable \$ |) LaRC | SAA1-32792 |
| 761 | 32735 | National Institute of Aerospace | Transition Prediction and Control for Blunt Hypersonic Configurat | 7/22/2020 | 3/31/2023 | Reimbursable | - LaRC | SAA1-31764, ANNEX 2 |

| 762 32700 | Worcester Polytechnic Institute | Research Collaboration between Worcester Polytechnic Institute and NASA Langley Research Center 7/20/2020 | 7/20/2025 | Non-Reimbursable | \$65,084 LaRC | SAA1-32700 |
|-----------|---|---|-----------|------------------|----------------|----------------------|
| 763 32651 | JOHNS HOPKINS UNIVERSITY / APPLIED PHYSICS LAB | Dynamic Balance Proof of Concept Study 9/3/2020 | 9/30/2022 | Non-Reimbursable | \$270,898 LaRC | SAA1-32651 |
| 764 32615 | STRATOLAUNCH SYSTEMS CORP | STRATOLAUNCH TESTING IN THE UNITARY PLAN WIND TUI 8/21/2020 | 12/6/2021 | Reimbursable | LaRC | SAA2-403221, Annex 6 |
| 765 32602 | Purdue University | Investigation of Wear-Resistant Materials for Space Applications 7/16/2020 | 7/16/2022 | Non-Reimbursable | \$9,016 LaRC | SAA1-32601-ANNEX 1 |
| 766 32601 | Purdue University | COLLABORATIVE AEROSPACE RESEARCH AND OUTREACH 7/16/2020 | 7/16/2025 | Non-Reimbursable | \$0 LaRC | SAA1-32601 |
| 767 32576 | Carnegie Mellon University | Carnegie Melon University (CMU) Collaboration with NASA LaRC on the Research and Development of the Qualification of Additively Manufactured Parts 7/13/2020 | 7/13/2025 | Non-Reimbursable | \$675,579 LaRC | SAA1-32576 |

| 768 | 32508 | | Investigation of Novel Wear-Resistant Materials for Space Applications | 7/24/2020 | 7/24/2023 | Non-Reimbursable | \$39,258 | LaRC | SAA1-32507 |
|-----|-------|--|--|-----------|-----------|------------------|-----------|------|------------|
| 769 | 32507 | UNIVERSITY OF NORTH DAKOTA | Collaborative Aerospace and Resarch | 7/24/2020 | 7/24/2025 | Non-Reimbursable | \$0 | LaRC | SAA1-32507 |
| 770 | 32502 | BLUE ORIGIN, LLC | Buffet Pressure Database Development | 7/9/2020 | 9/30/2021 | Reimbursable | | LaRC | SAA1-32502 |
| 771 | 32389 | Innoveering, LLC | Mach Sensor Testing in the Arc-Heated Scramjet Test Facility | 8/12/2020 | 9/30/2021 | Non-Reimbursable | \$102,709 | LaRC | SAA1-32389 |
| 772 | 32352 | Rosemount Aerospace - Collins Aerospace | SUPPORT FOR NASA TRAFFIC AWARE STRATEGIC AIRCRE | 8/25/2020 | 8/25/2021 | Reimbursable | | LaRC | SAA1-32352 |
| 773 | 32298 | THE VIRGINIA AIR AND SPACE CENTER AND CITY OF HAMPTON | A Joint Public Lecture Series Entitled The Sigma Series | 7/30/2020 | 7/30/2025 | Non-Reimbursable | \$105,598 | LaRC | SAA1-32298 |

| 774 | 32177 | BLUE ORIGIN, LLC | COLLABORATION ON SYSTEMS ENGINEERING PROCESSES FOR VERIFICATION AND VALIDATION OF LAUNCH VEHICLE REQUIREMENTS | 4/23/2020 | 2/28/2021 | Non-Reimbursable | \$175,117 | LaRC | SAA1-32177 |
|-----|-------|--|---|-----------|-----------|------------------|-----------|------|---------------------|
| 775 | 32166 | VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY | Air Quality Monitoring Site | 8/13/2020 | 8/13/2025 | Non-Reimbursable | \$47,380 | LaRC | IA1-32166 |
| 776 | 32044 | National Institute for Aviation Research- Wichita State University (niar) | Composites NDE standards library and database administration | 4/24/2020 | 4/24/2025 | Non-Reimbursable | \$23,548 | LaRC | SAA1-32044 |
| 777 | 31998 | Lehigh University | Mentoring for University Technical Entrepreneurship Program | 3/27/2020 | 3/27/2021 | Non-Reimbursable | \$2,550 | LaRC | SAA1-31998 |
| 778 | 31765 | National Institute of Aerospace | Novel Concepts for Transition Delay in Hypersonic Boundary Lay | 7/17/2020 | 3/31/2023 | Reimbursable | | LaRC | SAA1-31764, Annex 1 |
| 779 | 31764 | National Institute of Aerospace | RESEARCH, EDUCATIONAL OUTREACH, AND TESTING ACT | 7/17/2020 | 7/17/2025 | Reimbursable | | LaRC | SAA1-31764 |

| 780 31665 | THE SPACESHIP COMPANY | Collaboration to Commercialize High Mach Aircraft | 3/20/2020 | 3/20/2021 | Non-Reimbursable | \$523,836 LaRC | SAA1-31663, Annex 1 |
|-----------|----------------------------------|--|-------------|------------|------------------|----------------|---------------------|
| 781 31663 | THE SPACESHIP COMPANY | Collaboration to Commercialize High Mach Aircraft | 3/20/2020 | 3/20/2025 | Non-Reimbursable | \$0 LaRC | SAA1-31663 |
| 782 31504 | New York University | Machine Vision Applied to Additive Manufacturing Melt Pool Boundary Analysis | 9/11/2020 | 3/11/2021 | Non-Reimbursable | \$21,415 LaRC | SAA1-31504 |
| 783 31490 | Test Resources Management Center | SKYRANGE CAPABILITY DEVELOPMENT, DEMONSTRATION | N 5/26/2020 | 4/21/2022 | Reimbursable | LaRC | IA1-24848, Annex 5 |
| 784 31475 | The Boeing Company | Automated Fiber Placement Simulation Tool Development | 4/9/2020 | 8/31/2021 | Non-Reimbursable | \$199,503 LaRC | SAA1-31475 |
| 785 31409 | ASX Composites | Co-Cure-Ply Materials Development | 11/26/2019 | 11/26/2021 | Non-Reimbursable | \$123,983 LaRC | SAA1-31409 |

| 786 31340 | Lockheed Martin | Advanced Additive Manufacturing Technologies | 12/10/2019 | 12/10/2021 | Non-Reimbursable | \$11,917 LaRC | SAA1-31340 |
|-----------|---|--|------------|------------|------------------|---------------|---------------------|
| 787 31335 | Massachusetts Institute of Technology Lincoln Laboratory | PoliMi 8x8 SPAD Array Module Proton Test | 1/23/2020 | 1/23/2021 | Non-Reimbursable | \$22,504 LaRC | SAA1-31335 |
| 788 31252 | North Carolina State University | Wind Tunnel Testing of Pressure Sensitive Paint | 11/12/2019 | 11/12/2021 | Non-Reimbursable | \$92,816 LaRC | SAA1-23398, Annex 5 |
| 789 31141 | GENERAL ATOMICS AERONAUTICAL SYST | Acoustic Liner Acoustic and Drag Evaluation | 10/9/2019 | 1/15/2021 | Reimbursable | LaRC | SAA1-31140, Annex 1 |
| 790 31140 | GENERAL ATOMICS AERONAUTICAL SYST | Evaluation of Acoustic Liners for Fan Noise Reduction | 10/9/2019 | 10/9/2024 | Reimbursable | LaRC | SAA1-31140 |
| 791 31071 | Genetoo, Inc. | Laser Surface Treatment and Analysis of Metal Alloys for Adhesion Mitigation | 9/30/2019 | 12/31/2021 | Non-Reimbursable | \$87,711 LaRC | SAA1-31071 |

| 792 31038 | The Boeing Company | annex to AEROSPACE RESEARCH AND DEVELOPMENT | 10/22/2019 | 3/31/2021 | Reimbursable | LaRC | SAA1-21619, Annex 6 |
|-----------|----------------------------------|--|------------|------------|------------------|----------------|---------------------|
| 793 30998 | Virginia Commonwealth University | VCU COLLEGE OF ENGINEERING CAPSTONE (SENIOR) DESIGN | 10/16/2019 | 10/16/2020 | Non-Reimbursable | \$16,461 LaRC | SAA1-30998 |
| 794 30948 | Honda Aircraft Company LLC | Honda Aircraft Company Wind Tunnel Testing | 9/5/2019 | 9/5/2022 | Reimbursable | LaRC | SAA1-30948 |
| 795 30865 | Purdue University | Hypersonic Boundary Layer Cone Fin and Cone Flap Studies | 3/23/2020 | 9/30/2021 | Non-Reimbursable | \$357,283 LaRC | SAA1-25183, Annex 2 |
| 796 30776 | University of Maryland | Support of Fluid-Structure Interactions Testing, Part 2, in LaRC 20-Inch Mach 6 Tunnel | 12/5/2019 | 12/5/2020 | Non-Reimbursable | \$164,703 LaRC | SAA1-25454, Annex 3 |
| 797 30706 | MOOG, INC | AEROSPACE RESEARCH TECHNOLOGY AND DEVELOPMENT | 1/18/2020 | 1/18/2025 | Non-Reimbursable | \$0 LaRC | SAA1-30706 |

| 798 | 30638 | NORTH CAROLINA STATE UNIVERSITY | HIGH-FIDELITY MODEL DEVOPMENT FOR SCRAMJET COMBUSTOR FLOWPATHS | 8/12/2019 | 9/30/2021 | Non-Reimbursable | \$75,603 | LaRC | SAA1-23398, Annex 4 |
|-----|-------|---------------------------------|---|-----------|-----------|------------------|-----------|------|----------------------|
| 799 | 30606 | BNNT, LLC | DEVELOPMENT AND OPTIMIZATION OF BORON NITRIDE NANOTUBES | 8/21/2019 | 8/21/2024 | Non-Reimbursable | \$0 | LaRC | SAA1-30606 |
| 800 | 30581 | The Boeing Company | Unique CFD Validation Data Using the High Lift Common Research Model (CRM-HL) from the Qinetiq 5M Wind Tunnel | 8/12/2019 | 8/12/2021 | Non-Reimbursable | \$184,193 | LaRC | SAA1-23831, Annex 12 |
| 801 | 30465 | The Boeing Company | Flight Evaluation of NASA Langleys Safeguard Technology | 5/4/2020 | 5/4/2022 | Non-Reimbursable | \$46,272 | LaRC | SAA1-23831, Annex 11 |
| 802 | 30237 | HRL Laboratories, LLC | Evaluation of Aerospace Coatings for Mitigation of Environmenta | 9/30/2019 | 9/30/2021 | Reimbursable | | LaRC | SAA1-30237 |
| 803 | 30164 | SIKORSKY AIRCRAFT CORP | Stroking Main Rotor Gearbox and Lower Fuselage Gun Mount Di | 9/17/2019 | 5/31/2021 | Reimbursable | | LaRC | SAA1-30164 |

| 804 | 30082 | AURORA FLIGHT SCIENCES CORP | High-Efficiency Elecrified Aircraft Thermal Research | 9/3/2019 | 1/3/2021 | Non-Reimbursable | \$191,549 | LaRC | SAA1-30082 |
|-----|-------|--|--|-----------|------------|------------------|-----------|------|------------|
| 805 | 29950 | Oregon State University | Evaluation of Additively Manufactured Heat Sinks | 4/2/2019 | 11/30/2020 | Non-Reimbursable | \$10,359 | LaRC | SAA1-29950 |
| 806 | 29851 | Exothermics, Inc. | Thermochemical Response of UHT Hypersonic Leading-Edge Ca | 3/26/2019 | 9/30/2021 | Reimbursable | | LaRC | SAA1-29851 |
| 807 | 29737 | Florida State University | Validation of a Liner Drag Measurement/Computational Tool | 3/19/2019 | 3/19/2021 | Non-Reimbursable | \$14,020 | LaRC | SAA129737 |
| 808 | 29707 | Calspan-University at Buffalo Research Center | FREESTREAM MEASUREMENT TESTING | 3/6/2019 | 9/30/2021 | Non-Reimbursable | \$2,256 | LaRC | SAA1-29707 |
| 809 | 29424 | Williamsburg-James City County Public Schools | High School Students United With NASA to Create Hardware Program | 2/6/2019 | 2/6/2024 | Non-Reimbursable | \$0 | LaRC | SAA1-29424 |

| 810 | 29215 | Purdue University | Deployable Composite Sail Structure Materials Modeling Research | 2/22/2019 | 2/22/2021 | Non-Reimbursable \$1 | 5,826 | LaRC | SAA1-29213, Annex 2 |
|-----|-------|---|---|------------|------------|----------------------|-------|------|---------------------|
| 811 | 29214 | Purdue University | Composite Deployable Sail Structure Development | 2/21/2019 | 10/1/2020 | Non-Reimbursable \$2 | 5,038 | LaRC | SAA1-29213, Annex 1 |
| 812 | 29213 | Purdue University | Deployable Composite Solar Sail Structural Research | 2/21/2019 | 2/21/2024 | Non-Reimbursable | \$0 | LaRC | SAA1-29213 |
| 813 | 29171 | Virginia Polytechnic Institute and State University | ThinSat Boom Technology Demonstration Project | 12/13/2018 | 5/31/2021 | Non-Reimbursable \$3 | 2,727 | LaRC | SAA1-23392, Annex 5 |
| 814 | 29166 | Psionic, LLC | Navigation Doppler Lidar (NDL) Integrated Test | 11/14/2018 | 10/31/2020 | Reimbursable | | LaRC | SAA1-23647, Annex 3 |
| 815 | 28891 | The Boeing Company | Evaluation of Novel Aircraft Engine Liner Concepts | 11/6/2018 | 3/31/2021 | Reimbursable | | LaRC | SAA1-21619, Annex 5 |

| 816 | 28808 | The Boeing Company | The Development of a Science, Technology, Engineering and Mathematics Capable Workforce | 11/21/2018 | 11/21/2021 | Non-Reimbursable | \$540,068 | LaRC | SAA1-28808 |
|-----|-------|--|---|------------|------------|------------------|-----------|------|---------------------|
| 817 | 28790 | Wichita State University | Investigation of Metallic Foams for Acoustic Liner Applications | 10/1/2018 | 4/1/2021 | Non-Reimbursable | \$14,970 | LaRC | SAA1-28789, Annex 1 |
| 818 | 28789 | Wichita State University | Acoustic and Aero Liner Research | 10/1/2018 | 10/1/2023 | Non-Reimbursable | \$0 | LaRC | SAA1-28789 |
| 819 | 28551 | Virginia Polytechnic Institute and State University | Robust Autonomous Assembly of Space Systems | 10/19/2018 | 12/31/2020 | Non-Reimbursable | \$141,515 | LaRC | SAA1-23392, Annex 4 |
| 820 | 28193 | Virginia Polytechnic Institute and State University | Flight Evaluation of NASA Langley's Safeguard Technology | 5/9/2019 | 5/9/2021 | Non-Reimbursable | \$56,987 | LaRC | SAA1-23392, Annex 3 |
| 821 | 28175 | LOCKHEED MARTIN | Investigation of Advanced Processing of Metallic Materials | 7/17/2018 | 12/30/2020 | Reimbursable | | LaRC | SAA1-28174, Annex 1 |

| 822 | 28174 | LOCKHEED MARTIN | Revolutionary Fabrication Methods and Materials Testing of Adva | 7/17/2018 | 7/17/2023 | Reimbursable | LaRC | SAA1-28174 |
|-----|-------|--------------------------------------|--|-----------|------------|----------------------------|------|--------------------|
| 823 | 27921 | Tech Center LLC | Cooperative Research Activities In Manufacturing Technologies | 7/13/2018 | 7/13/2023 | Reimbursable | LaRC | SAA1-27921 |
| 824 | 27829 | Boom Supersonic | Aerospace Research and Development | 5/8/2018 | 5/8/2023 | Reimbursable | LaRC | SAA1-27829 |
| 825 | 27785 | George Mason University | Interatomic Potential Development for Molecular Dynamics Simulations | 5/31/2018 | 5/31/2023 | Non-Reimbursable \$278,363 | LaRC | SAA1-27785 |
| 826 | 27533 | DoD Test Resources Management Center | HALAS Technology Demonstration | 2/11/2019 | 12/31/2020 | Reimbursable | LaRC | IA1-24848, Annex 4 |
| 827 | 27263 | BLACK LABORATORIES, LLC | Materials Characterization | 4/18/2018 | 4/18/2022 | Reimbursable | LaRC | SAA1-27263 |

| 828 | 27243 | JOHNS HOPKINS UNIVERSITY / APPLIED PHYSICS LAB | Air Force Office of Scientific Research Boundary Layer Transition (BOLT) Experiments | 3/14/2018 | 1/31/2021 | Non-Reimbursable | \$626,489 | LaRC | SAA1-27243 |
|-----|-------|--|---|-------------|------------|------------------|-----------|------|---------------------|
| 829 | 26937 | National Institute of Aerospace | Laboratory and Facility Use for Boron Nitride Nanotube (BNNT) F | 3 12/7/2017 | 9/30/2020 | Reimbursable | | LaRC | SAA1-21594, Annex 7 |
| 830 | 26910 | Pennsylvania State University | Design and Additive Manufacturing of Ni-based Alloys | 4/12/2018 | 4/12/2021 | Non-Reimbursable | \$22,463 | LaRC | SAA1-26910 |
| 831 | 26793 | Opto-Knowledge Systems, Inc. | annex to Optical Remote Sensing and Sensor Directed Flight of N | 3/22/2019 | 6/30/2021 | Reimbursable | | LaRC | SAA1-20407, Annex 2 |
| 832 | 26728 | Hyperloop Transportation Technologies | Research, Development, and Testing of Aerospace Technologies | s 1/30/2018 | 1/30/2023 | Reimbursable | | LaRC | 26728 |
| 833 | 26688 | GENERAL ELECTRIC COMPANY | Assessment of Novel Acoustic Liner Concepts | 3/2/2018 | 12/31/2020 | Non-Reimbursable | \$100,548 | LaRC | SAA1-26688 |

| 834 26521 | The Boeing Company | Laser Ablation to Improve Adhesive Bonding of Aerospace Structural Thermoplastic Composite Materials | 11/29/2017 | 12/22/2020 | Non-Reimbursable | \$214,829 LaRC | SAA1-21157, Annex 17 |
|-----------|--|---|------------|------------|------------------|----------------|----------------------|
| 835 26344 | ALASKA AIRLINES | Research and Development Collaboration | 9/25/2017 | 9/25/2022 | Non-Reimbursable | \$0 LaRC | SAA1-26344 |
| 836 26064 | DoD Test Resources Management Center DTI | HAARTS Technology Demonstration | 9/29/2017 | 9/30/2020 | Reimbursable | LaRC | IA1-24848, Annex 2 |
| 837 25839 | THE BOEING COMPANY | Free Spin Test in NASA Langley 20-Foot Vertical Spin Tunnel | 9/29/2017 | 3/31/2021 | Reimbursable | LaRC | SAA1-21619, Annex 4 |
| 838 25790 | The Boeing Company | Traffic Aware Planner (TAP) Link to Boeing Climb Out Performance (BCOP) data files | 7/18/2017 | 11/18/2020 | Non-Reimbursable | \$35,331 LaRC | SAA1-23831, Annex 2 |
| 839 25717 | PPG Industries, Inc. | Research Toward Aerospace Coatings for Mitigation of Environmental Contaminants | 9/21/2017 | 6/30/2021 | Non-Reimbursable | \$43,068 LaRC | SAA1-25717 |

| 840 25551 | JOHN HOPKINS APPLIED PHYSICS LABORA | Multifunctional Hypersonic Materials and Coatings | 5/10/2017 | 12/31/2021 | Reimbursable | LaRC | SAA1-25551 |
|-----------|-------------------------------------|--|------------|------------|------------------|----------------|------------|
| 841 25454 | | Hypersonic ShockWave Boundary Layer Fluid Structure Intereactions Technology Development | 6/1/2017 | 6/1/2022 | Non-Reimbursable | \$0 LaRC | SAA1-25454 |
| 842 25384 | | ADVANCED CAPABILITIES FOR AERONAUTICS RESEARCH AND GROUND FACILITY TESTING | 11/13/2017 | 11/13/2022 | Non-Reimbursable | \$273,295 LaRC | SAA1-25384 |
| 843 25183 | Purdue University | Support of Understanding of Experimental Mach 6 Hypersonic Boundary Layers (BL) | 7/19/2017 | 7/19/2022 | Non-Reimbursable | \$0 LaRC | SAA1-25183 |
| 844 24848 | Test Resources Management Center | Hypersonic Test and Technology Development | 4/21/2017 | 4/21/2022 | Reimbursable | LaRC | IA1-24848 |
| 845 24799 | Johns Hopkins University | Discovery to Market Project | 1/24/2017 | 6/30/2021 | Non-Reimbursable | \$11,697 LaRC | SAA1-24799 |

| 846 24743 | The Boeing Company | Swept Wing Natural Laminar Flow Research | 12/19/2016 | 3/31/2021 | Reimbursable | LaRC | SAA1-21619, Annex 3 |
|-----------|--|--|------------|------------|------------------|----------|---------------------|
| 847 24738 | Gulfstream AerospaceCorporation | Aeroacoustic Research Activities | 2/3/2017 | 2/3/2022 | Non-Reimbursable | \$0 LaRC | SAA1-24738 |
| 848 24391 | Isle of Wight County Public School | High School Students United with NASA to Create Hardware (HUNCH) Program | 12/2/2016 | 12/2/2021 | Non-Reimbursable | \$0 LaRC | SAA1-24391 |
| 849 24387 | York County School District | High School Students United with NASA to Create Hardware (HUNCH) Program | 11/29/2016 | 11/29/2021 | Non-Reimbursable | \$0 LaRC | SAA1-24387 |
| 850 24364 | North Carolina School of Science & Math | High School Students United with NASA to Create Hardware (HUNCH) Program | 11/15/2016 | 11/15/2021 | Non-Reimbursable | \$0 LaRC | SAA1-24364 |
| 851 24362 | Gloucester County Public School District | High School Students United with NASA to Create Hardware (HUNCH) Program | 12/6/2016 | 12/6/2021 | Non-Reimbursable | \$0 LaRC | SAA1-24362 |

| 852 24257 | Hampton City Schools | High School Students United with NASA to Create Hardware (HUNCH) Program | 10/21/2016 | 10/21/2021 | Non-Reimbursable | \$0 LaRC | SAA1-24257 |
|-----------|--|---|------------|------------|------------------|----------------|------------|
| 853 24239 | New Horizons Regional Education Center | High School Students United with NASA to Create Hardware (HUNCH) Program | 10/17/2016 | 10/17/2021 | Non-Reimbursable | \$0 LaRC | SAA1-24239 |
| 854 24186 | Fayetteville State University | COLLABORATIVE AEROSPACE RESEARCH, DEVELOPMENT, AND TESTING OPPORTUNITIES | 12/15/2016 | 12/15/2021 | Non-Reimbursable | \$0 LaRC | SAA1-24186 |
| 855 24122 | University of Washington | Technical Interchange on Applications of Data Analytics and Machine Learning in Aerospace Domains | 12/5/2016 | 12/5/2021 | Non-Reimbursable | \$0 LaRC | SAA1-24122 |
| 856 24034 | The Boeing Company | Flight Deck Systems and Operations Research | 1/20/2017 | 1/20/2022 | Non-Reimbursable | \$816,127 LaRC | SAA1-24034 |
| 857 24017 | Textron Aviation, Inc. | Laboratory and Flight Aeronautical Research | 4/5/2017 | 4/5/2022 | Non-Reimbursable | \$0 LaRC | SAA1-24017 |

| 858 | 23957 | Newport News Public School District | High School Students United with NASA to Create Hardware (HUNCH) Program | 10/23/2016 | 10/23/2021 | Non-Reimbursable \$6 |) LaRC | SAA1-23957 |
|-----|-------|-------------------------------------|--|-------------|------------|---------------------------|--------|---------------------|
| 859 | 23938 | Genedge Alliance | Cooperative Research Activities in Manufacturing Technologies | 10/7/2016 | 10/7/2021 | Reimbursable | - LaRC | SAA1-23938 |
| 860 | 23883 | The Boeing Company | Annex 5 to ENVIRONMENTALLY RESPONSIBLE AIR VEHICLE CONCEPT RESEARCH | 11/15/2016 | 11/15/2020 | Non-Reimbursable \$10,442 | 2 LaRC | SAA1-21157, Annex 5 |
| 861 | 23831 | The Boeing Company | Aerospace Research Development | 2/3/2017 | 2/3/2022 | Non-Reimbursable \$6 |) LaRC | SAA1-23831 |
| 862 | 23827 | Tech Center LLC | Cooperative Research Activities in Manufacturing Technologies | 7/5/2017 | 7/5/2022 | Non-Reimbursable \$6 |) LaRC | SAA1-23827 |
| 863 | 23647 | Psionic, LLC | Space Technology Commercialization for Measurement and Mate | :12/16/2016 | 12/16/2021 | Reimbursable | - LaRC | SAA1-23647 |

| 864 23579 | GenEdge Alliance | Cooperative Research Activities in Manufacturing Technologies | 2/23/2017 | 2/23/2022 | Non-Reimbursable | \$0 LaRC | SAA1-23579 |
|-----------|--|--|------------|------------|------------------|---------------|------------|
| 865 23461 | University of Florida | Collaborative Research, Development,, and Testing | 12/12/2016 | 12/12/2021 | Non-Reimbursable | \$0 LaRC | SAA1-23461 |
| 866 23398 | North Carolina State University | COLLABORATIVE AEROSPACE R ESEARCH, DEVELOPMENT, AND TESTING OPPORTUNITIES | 6/20/2017 | 6/20/2022 | Non-Reimbursable | \$0 LaRC | SAA1-23398 |
| 867 23392 | Virginia Polytechnic Institute and State University | Collaborative Research, Development, and Testing Oportunities | 11/16/2016 | 11/16/2021 | Non-Reimbursable | \$0 LaRC | SAA1-23392 |
| 868 23227 | Materials Research and Design, Inc. MR&D | HIGH TEMPERATURE MATERIALS TECHNICAL SUPPORT | 1/4/2017 | 9/30/2021 | Reimbursable | LaRC | SAA1-23227 |
| | TEXAS A&M ENGINEERING EXPERIMENT STATION | PARTICIPATION IN COOPERATIVE RESEARCH AND DEVELOPMENT PROJECTS | 11/4/2016 | 11/4/2021 | Non-Reimbursable | \$70,317 LaRC | SAA1-23219 |

| 870 22925 | Sierra Nevada Corporation | Engineering Services, Analysis and Testing in support of SNCs | V 9/6/2016 | 9/6/2021 | Reimbursable | LaRC | SAA1-22925 |
|-----------|---------------------------|---|--------------|------------|------------------|---------------|---------------------|
| 871 22749 | Raytheon Corporation | Sensor Risk Reduction Tests | 12/21/2016 | 12/21/2021 | Reimbursable | LaRC | SAA1-22746, Annex 1 |
| 872 22747 | Dominion Virginia Power | UAV Autonomous Inspection of Transmission Lines | 6/9/2016 | 6/9/2021 | Non-Reimbursable | \$0 LaRC | SAA1-22747 |
| 873 22746 | Raytheon Corporation | Optical Remote Sensing for Space Applications in Robotics and | \$12/21/2016 | 12/21/2021 | Reimbursable | LaRC | SAA1-22746 |
| 874 22628 | Southern Company | UAV Autonomous Inspection of Transmission Lines | 6/3/2016 | 6/3/2021 | Reimbursable | LaRC | SAA1-22628 |
| 875 22625 | idoodledu | Support Of The Cubes In Space Initiative | 7/22/2016 | 7/22/2021 | Non-Reimbursable | \$30,014 LaRC | SAA1-22625 |

| 876 | 22217 | Infrasonix-Inc | Infrasonix Stethoscope Evaluation Over Human Subjects | 11/28/2017 | 11/28/2022 | Reimbursable | ·LaRC | SAA1-22217 |
|-----|-------|--|--|------------|------------|----------------------|-------|---------------------|
| 877 | 22064 | Huntington Ingalls Incorporated | Manufacturing, Research and Development Activities | 10/31/2016 | 10/31/2021 | Reimbursable | ·LaRC | SAA1-22064 |
| 878 | 21962 | Brookhaven Science Associates, LLC | User Agreement for Brookhaven National Laboratory | 12/30/2015 | 12/30/2020 | Non-Reimbursable \$0 | LaRC | SAA1-21962 |
| 879 | 21824 | North Carolina Agricultural and Technical University | Collaborative Research, Development, and Testing Opportunities | 4/21/2016 | 4/21/2021 | Non-Reimbursable \$0 | LaRC | SAA1-21824 |
| 880 | 21741 | Oklahoma State University | COLLABORATIVE AEROSPACE RESEARCH, DEVELOPMENT, AND TESTING OPPORTUNITIES | 2/4/2016 | 2/4/2021 | Non-Reimbursable \$0 | LaRC | SAA1-21741 |
| 881 | 21620 | The Boeing Company | SURFACE CONTAMINATION INSPECTION TECHNOLOGY DE | 11/20/2015 | 3/31/2021 | Reimbursable | LaRC | SAA1-21619, Annex 1 |

| 882 21619 | The Boeing Company | AEROSPACE RESEARCH AND DEVELOPMENT | 11/20/2015 | 3/31/2021 | Reimbursable | LaRC | SAA1-21619 |
|-----------|---------------------------------|--|------------|------------|------------------|----------------|------------|
| 883 21608 | University of Michigan | Umbrella Agreement | 4/18/2016 | 4/18/2021 | Non-Reimbursable | \$0 LaRC | SAA1-21608 |
| 884 21601 | American Airlines, Inc. | Flight Deck Systems and Operations Research | 5/20/2016 | 5/20/2021 | Non-Reimbursable | \$183,201 LaRC | SAA1-21601 |
| 885 21594 | National Institute of Aerospace | RESEARCH, EDUCATIONAL OUTREACH, AND TESTING ACT | 11/17/2015 | 11/17/2020 | Reimbursable | LaRC | SAA1-21594 |
| 886 21586 | Hexcel Corporation | Multiple Degree of Freedom Acoustic Liners | 1/5/2016 | 1/5/2021 | Non-Reimbursable | \$0 LaRC | SAA1-21586 |
| 887 21560 | Carnegie Mellon University | Carnegie Mellon University with NASA Langley Research Center | 2/2/2016 | 2/2/2021 | Non-Reimbursable | \$0 LaRC | SAA1-21560 |

| 888 | 21157 | The Boeing Company | ENVIRONMENTALLY RESPONSIBLE AIR VEHICLE CONCEPT RESEARCH | 12/22/2015 | 12/22/2020 | Non-Reimbursable \$0 | LaRC | SAA1-21157 |
|-----|-------|--------------------------------------|---|------------|------------|---------------------------|--------|----------------|
| 889 | 20805 | Johns Hopkins University | Collaboration to Identify Technical Areas of Mutual Interest | 12/16/2015 | 12/16/2020 | Non-Reimbursable \$0 | LaRC | SAA1-20805 |
| 890 | 20407 | Opto-Knowledge Systems, Inc. | Optical Remote Sensing and Sensor Directed Flight of NASA Rel | 5/27/2015 | 9/30/2020 | Reimbursable | · LaRC | SAA1-20407 |
| 891 | 18750 | Space Exploration Technologies Corp. | SpaceX Ground Winds Load (GWL) Data Set for Incorporation and Improving NASA GWL Computations | 6/5/2015 | 6/5/2021 | Non-Reimbursable \$75,987 | LaRC | SAA1-18750 |
| 892 | 33230 | Raytheon Missile Systems | Annex 5 to Engineering Collaboration for Impact Testing | 9/10/2020 | 9/10/2021 | Reimbursable | · MSFC | SAA8-1725438.5 |
| 893 | 32872 | United Launch Alliance | ULA Booster Instrumentation | 7/9/2020 | 7/9/2021 | Reimbursable | MSFC | SAA8-1726580.6 |

| 894 32718 | Methuselah Foundation | The Centennial Challenges Lunar Nuitrition Challenge 8/28/2020 | 8/28/2022 | Non-Reimbursable | \$931,482 MSFC | SAA8-2032718 |
|-----------|---------------------------------------|---|-----------|------------------|----------------|----------------|
| 895 32639 | Lockheed Martin Space | Lockheed Martin Test @ HGF 6/24/2020 | 6/24/2021 | Reimbursable | MSFC | SAA8-2032638.1 |
| 896 32638 | Lockheed Martin Space | Exchange of Technical Expertise for commercial space transporta 6/24/2020 | 6/24/2025 | Reimbursable | MSFC | SAA8-2032638 |
| 897 32552 | ARCTIC SLOPE TECHNICAL SERVICES, INC. | demonstrating the use of artifical intellegence computer software for space flight systems 9/28/2020 | 9/28/2022 | Non-Reimbursable | \$307,089 MSFC | SAA8-2032551.1 |
| 898 32551 | ARCTIC SLOPE TECHNICAL SERVICES, INC. | artifical intellegence computer software for space flight systems 9/28/2020 | 9/28/2025 | Non-Reimbursable | \$0 MSFC | SAA8-2032551 |
| 899 32353 | Cullman Area Technology Academy | TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HIGH SCHOOLS UNITED WITH NASA TO 9/23/2020 CREATE HARDWARE (HUNCH) PROGRAM | 9/23/2025 | Non-Reimbursable | \$72,338 MSFC | SAA8-2032353 |

| 900 | 32182 | BLUE ORIGIN, LLC | Blue Origin TCA v2.0 | 7/7/2020 | 7/7/2022 | Reimbursable | MSFC | SAA8-1725986.25 |
|-----|-------|----------------------------|--|-----------|-----------|---------------------------|--------|-----------------|
| 901 | 32156 | Imperx, Inc. | Rugged Space Rated High Definition – Serial Data Interface (HD-SDI) Camera | 5/11/2020 | 5/11/2022 | Non-Reimbursable \$239,45 | 8 MSFC | SAA8-2032156 |
| 902 | 32095 | Blue Origin Florida, LLC | Production Implementation | 6/11/2020 | 6/11/2022 | Reimbursable | MSFC | SAA8-2032094.1 |
| 903 | 32094 | Blue Origin Florida, LLC | Production Implementation | 6/11/2020 | 6/11/2025 | Reimbursable | MSFC | SAA8-2032094 |
| 904 | 32084 | ATK Launch Systems | ATK Hot Gas Testing | 6/4/2020 | 6/4/2021 | Reimbursable | MSFC | SAA8-1931535.2 |
| 905 | 32069 | KT Engineering Corporation | Annex to FASTRAC Powerpack Testing and Aerospike Nozzle A | 3/24/2020 | 3/24/2022 | Reimbursable | MSFC | SAA8-2031673.2 |

| 906 32023 | Vivace Corporation | Amendment 2 to Vivace SAA8-1725627 to extend the Term of Ag 6/9/2017 | 6/30/2021 Reimbursable | MSFC | SAA8-1725627.A2 |
|-----------|----------------------------|---|------------------------|------|-----------------|
| 907 31862 | ASTROBOTIC TECHNOLOGY, INC | Provide NASA expertise in lunar cargo transportation and landing 6/4/2020 | 6/4/2021 Reimbursable | MSFC | SAA8-1930516.2 |
| 908 31832 | U.S. Space & Rocket Center | 2020 NASA Human Exploration Rover Challenge 3/8/2020 | 4/8/2021 Reimbursable | MSFC | SAA8-2031832 |
| 909 31754 | BLUE ORIGIN, LLC | Blue Origin Hot Gas Testing of Materials @ Hot Gas Test Facility 5/8/2020 | 5/8/2021 Reimbursable | MSFC | SAA8-1725986.21 |
| 910 31674 | KT Engineering Corporation | CFD Analysis of the Aerospike Flight Test Article (AFTA) in Supp 2/5/2020 | 2/5/2021 Reimbursable | MSFC | SAA8-2031673.1 |
| 911 31673 | KT Engineering Corporation | FASTRAC Powerpack Testing and Aerospike Nozzle Analysis in 2/5/2020 | 2/5/2023 Reimbursable | MSFC | SAA8-2031673 |

| 912 31656 | Oceangate | Oceangate Automated Fiber Placement Development | 2/4/2020 | 2/4/2021 | Reimbursable | MSFC | SAA8-2031655.1 |
|-----------|-------------------------|---|---------------|------------|--------------|------|----------------|
| 913 31655 | Oceangate | Oceangate Automated Fiber Placement Development | 2/4/2020 | 2/4/2022 | Reimbursable | MSFC | SAA8-2031655 |
| 914 31649 | BLUE ORIGIN, LLC | Extreme Environment Testing and Evaluation of Material Proper | ti 12/11/2019 | 12/11/2022 | Reimbursable | MSFC | SAA8-1931648.1 |
| 915 31648 | BLUE ORIGIN, LLC | Extreme Environment Testing and Evaluation of Material Proper | ti 12/11/2019 | 12/11/2024 | Reimbursable | MSFC | SAA8-1931648 |
| 916 31600 | Haigh-Farr, Inc | Haigh-Farr UHF Blade TPS Testing @HGF | 12/17/2019 | 12/17/2020 | Reimbursable | MSFC | SAA8-1931600 |
| 917 31572 | INTUITIVE MACHINES, LLC | CFD modeling of slosh dynamics in tank designs | 3/19/2020 | 3/19/2021 | Reimbursable | MSFC | SAA8-2031571.1 |

| 918 | 31571 | INTUITIVE MACHINES, LLC | Development of Lunar Lander Systems Technologies | 3/19/2020 | 3/19/2025 | Reimbursable | MSFC | SAA8-2031571 |
|-----|-------|---------------------------------|--|------------|------------|----------------------------|------|-----------------|
| 919 | 31535 | ATK Launch Systems | Exchange of Technical Expertise for commercial space transport | :12/9/2019 | 12/9/2024 | Reimbursable | MSFC | SAA8-1931535 |
| 920 | 31492 | BLUE ORIGIN, LLC | Valve testing for development of the Blue Origin engines | 7/23/2020 | 7/23/2022 | Reimbursable | MSFC | SAA8-1725986.19 |
| 921 | 31336 | Florida Institute of Technology | Vision-Based Navigation for Formation Flight onboard ISS | 1/16/2020 | 1/16/2023 | Non-Reimbursable \$170,172 | MSFC | SAA8-1931336 |
| 922 | 31299 | Ursa Major Technologies | Support of ROCETS software | 10/30/2019 | 10/30/2021 | Reimbursable | MSFC | SAA8-1931298.1 |
| 923 | 31298 | Ursa Major Technologies | Rocket Engine Development Support | 10/30/2019 | 10/30/2024 | Reimbursable | MSFC | SAA8-1931298 |

| 924 | 31240 | Ball Aerospace | Electrostatic Discharge Testing of a Communications Antenna an | 1/27/2020 | 1/27/2021 | Reimbursable | - MSFC | SAA8-1931239.1 |
|-----|-------|---|---|------------|------------|--------------|--------|-----------------|
| 925 | 31239 | Ball Aerospace & Technologies Corporation | Space Environmental Effects Testing and Material Characterization | 1/27/2020 | 1/27/2023 | Reimbursable | - MSFC | SAA8-1931239 |
| 926 | 31222 | BLUE ORIGIN, LLC | annex to Exchange of Technical Expertise for commercial space | 11/20/2019 | 11/20/2021 | Reimbursable | - MSFC | SAA8-1725986.18 |
| 927 | 31171 | BLUE ORIGIN, LLC | annex to Exchange of Technical Expertise for commercial space | 9/27/2019 | 8/30/2022 | Reimbursable | - MSFC | SAA8-1725986.17 |
| 928 | 31130 | SPACE SYSTEMS LORAL, LLC | Room-Temperature-Vulcanized (RTV) Adhesive Coating Material | 10/21/2019 | 5/31/2021 | Reimbursable | - MSFC | SAA8-1931129.1 |
| 929 | 31129 | SPACE SYSTEMS LORAL, LLC | Space Environmental Effects Testing and Characterization of Ma | 10/21/2019 | 10/21/2024 | Reimbursable | - MSFC | SAA8-1931129 |

| 930 | 30996 | PaR Systems LLC | PaR Systems LLC | 1/1/2020 | 12/31/2024 | Reimbursable | MSFC | SAA8-1930996 |
|-----|-------|----------------------------|--|-----------|------------|--------------|------|----------------|
| 931 | 30814 | FIRST RF Corporation | High Speed Particle Material Impact Testing | 9/25/2019 | 9/25/2022 | Reimbursable | MSFC | SAA8-1930814 |
| 932 | 30520 | Spirit Aero Systems | annex for weld development in Aeronautical/Aerospace Vehicle M | 9/3/2019 | 9/3/2021 | Reimbursable | MSFC | SAA8-1828434.2 |
| 933 | 30517 | ASTROBOTIC TECHNOLOGY, INC | Provide NASA expertise in lunar cargo transportation and landing | 1/27/2020 | 1/27/2021 | Reimbursable | MSFC | SAA8-1930516.1 |
| 934 | 30516 | ASTROBOTIC TECHNOLOGY, INC | Engineering Analysis and development for Commercial Lunar Lar | 1/27/2020 | 1/27/2025 | Reimbursable | MSFC | SAA8-1930516 |
| 935 | 30492 | The Boeing Company | annex to Aerospace Hardware Testing, Evaluatioin, and related e | 9/13/2019 | 3/22/2022 | Reimbursable | MSFC | SAA8-1724760.3 |

| 936 | 30258 | | THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS | 1/6/2020 | 1/6/2022 | Non-Reimbursable \$675,45 | 5 MSFC | SAA8-1929988.1 |
|-----|-------|---|--|------------|------------|---------------------------|--------|----------------|
| 937 | 30239 | Virgin Orbit, LLC | annex to Exchange of Technical Expertise for commercial space | 7/30/2019 | 7/30/2021 | Reimbursable | - MSFC | SAA8-1725209.9 |
| 938 | 30233 | BLUE ORIGIN, LLC | Blue Origin On Demand Services | 7/9/2019 | 7/9/2022 | Reimbursable | - MSFC | SAA8-1830232.1 |
| 939 | 30232 | BLUE ORIGIN, LLC | DEMAND SERVICES AND GENERAL SUPPORT TO TEST STA | 7/9/2019 | 7/9/2024 | Reimbursable | - MSFC | SAA8-1830232 |
| 940 | 30143 | Cellco Partnership d/b/a Verizon Wireless | FOR OPERATION OF TELECOMMUNICATIONS EQUIPMENT I | 11/26/2019 | 11/26/2024 | Reimbursable | - MSFC | SAA8-1930143 |
| 941 | 30136 | Interstellar Technologies Corporation | Propulsion Engineering Analysis, Consultation, Feasibility Studies | 9/18/2019 | 9/18/2024 | Reimbursable | - MSFC | SAA8-1930136 |

| 942 30098 | NEW CINGULAR WIRELESS PCS, LLC | Placement of Telecommunications antenna on building 4476 | 12/18/2019 | 12/18/2024 | Reimbursable | MSFC | SAA8-1930098 |
|-----------|--------------------------------|--|------------|------------|------------------|----------------|----------------|
| 943 30023 | Alabama A&M University | Alabama A&M Annex 2 for Inert propellant mechanical property support | 5/28/2019 | 7/19/2022 | Non-Reimbursable | \$500 MSFC | SAA8-1726018.2 |
| 944 30012 | Google LLC | Access and Use of Large Science Datasets | 10/21/2019 | 10/21/2020 | Non-Reimbursable | \$675,455 MSFC | SAA8-1930011.1 |
| 945 30011 | Google LLC | THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS | 10/21/2019 | 10/21/2024 | Non-Reimbursable | \$0 MSFC | SAA8-1930011 |
| 946 29999 | RUAG Space USA, Inc | RUAG Centaur V Structural Tests | 9/10/2019 | 9/10/2021 | Reimbursable | MSFC | SAA8-1829459.2 |
| 947 29988 | Amazon Web Services, Inc. | THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS | 1/6/2020 | 1/6/2022 | Non-Reimbursable | \$0 MSFC | SAA8-1929988 |

| 948 | 29985 | | SPACE EXPLORATION TECHNOLOGY DEVELOPMENT IN MOTION MAGNIFICATION TECHNIQUES | 5/28/2019 | 5/28/2021 | Non-Reimbursable \$67 | 7,372 N | MSFC | SAA8-1929985 |
|-----|-------|---|---|-----------|-----------|------------------------|---------|------|----------------|
| 949 | 29718 | LAWRENCE LIVERMORE NATIONAL SECUE | ANNEX 3 under SAA8-1521657 for HIGH RESOLUTION FOCUS | 6/10/2019 | 4/14/2021 | Reimbursable | r | MSFC | SAA8-1521657.3 |
| 950 | 29637 | Electroformed Nickel, Inc | Fabrication to support large aluminum mirrors | 4/2/2019 | 10/2/2020 | Reimbursable | P | MSFC | SAA8-1929637 |
| 951 | 29535 | United Launch Alliance | ULA Integrated Fluid System Test (IFST) | 6/6/2019 | 6/6/2022 | Reimbursable | P | MSFC | SAA8-1726580.5 |
| 952 | 29459 | RUAG Space USA, Inc | Raug Engineering Services | 1/24/2019 | 1/24/2024 | Reimbursable | r | MSFC | SAA8-1829459 |
| 953 | 29279 | Manned Space Flight Education Foundation Inc. | The Centennial Challenges Space Robotics Challenge | 3/5/2019 | 3/5/2022 | Non-Reimbursable \$451 | ,413 N | MSFC | SAA8-1829279 |

| 954 | 28578 | BLUE ORIGIN, LLC | Hydrogen Embrittlement Testing | 11/7/2018 | 11/7/2020 | Reimbursable | MSFC | SAA8-1725986.11 |
|-----|-------|---------------------------------|---|------------|-----------|-------------------------|--------|-----------------|
| 955 | 28565 | BLUE ORIGIN, LLC | annex to Exchange of Technical Expertise for commercial space | 10/29/2018 | 8/30/2022 | Reimbursable | MSFC | SAA8-1725986.10 |
| 956 | 28500 | OBERLIN COLLEGE | Fireball Network Station at Oberlin College | 8/7/2018 | 8/7/2023 | Non-Reimbursable \$2,26 | 8 MSFC | SAA8-1828500 |
| 957 | 28435 | Spirit Aero Systems | Rivet replacement with friction stir welds | 4/25/2019 | 4/25/2022 | Reimbursable | MSFC | SAA8-1828434.1 |
| 958 | 28434 | Spirit Aero Systems | Collaboration in Aeronautical Vehicle Manufacturing | 4/25/2019 | 4/25/2024 | Reimbursable | MSFC | SAA8-1828434 |
| 959 | 28308 | ADVANCED CUTTING SOLUTIONS, LLC | ADVANCED CUTTING SOLUTIONS L.L.C. | 7/12/2018 | 9/30/2022 | Reimbursable | MSFC | SAA8-1828308 |

| 960 | 28276 | St. Bernard Sheriffs Department | St Bernard Sheriffs Department | 7/12/2018 | 7/12/2023 | Non-Reimbursable | \$2,932 | MSFC | SAA8-1828276 |
|-----|-------|--|---|------------|------------|----------------------|---------|------|----------------|
| 961 | 28013 | CITY OF NEW ORLEANS, LA | City of New Orleans, LA Temporary Emergency Shelter for City Employees at MAF | 3/28/2019 | 3/28/2024 | Non-Reimbursable \$1 | 37,705 | MSFC | SAA8-1828013 |
| 962 | 27934 | UNIVERSITY OF PITTSBURGH | Fireball Network Station at Allegheny Observatory | 10/4/2018 | 10/4/2023 | Non-Reimbursable | \$1,701 | MSFC | SAA8-1827934 |
| 963 | 27852 | University of North Carolina at Greensboro | Particle Impact Testing of Novel Nanocomposite Space Shielding | 11/13/2019 | 11/13/2022 | Reimbursable | | MSFC | SAA8-1927851.1 |
| 964 | 27851 | University of North Carolina at Greensboro | ENGINEERING COLLABORATION | 11/13/2019 | 11/13/2022 | Reimbursable | | MSFC | SAA8-1927851 |
| 965 | 27828 | DYNETICS, INC | Small, Affordable, High Performance Liquid Propellant Rocket Er | 5/11/2018 | 5/11/2021 | Reimbursable | | MSFC | SAA8-1827828 |

| 966 | 27801 | Hands-On Science Center | Fireball Network Station | 5/31/2018 | 5/31/2023 | Non-Reimbursable \$ | 1,701 | MSFC | SAA8-1827801 |
|-----|-------|-------------------------|--|------------|------------|----------------------|-------|------|----------------|
| 967 | 27799 | HIRAM COLLEGE | Fireball Network Station at Hiram College | 5/25/2018 | 5/25/2023 | Non-Reimbursable \$ | 1,701 | MSFC | SAA8-1827799 |
| 968 | 27793 | AEROJET ROCKETDYNE, INC | Engine System Material in Collaboration with the AR-22 Project | 5/23/2018 | 5/23/2023 | Non-Reimbursable \$7 | 5,162 | MSFC | SAA8-1827793 |
| 969 | 27713 | AEROJET ROCKETDYNE, INC | Annex No. 2 under SAA8-1725910 for Facility Usage for AR-22 S | 3/28/2018 | 3/28/2021 | Reimbursable | | MSFC | SAA8-1725910.2 |
| 970 | 27702 | LOCKHEED MARTIN | WIND TUNNEL TESTING | 5/22/2018 | 5/22/2023 | Reimbursable | | MSFC | SAA8-1827702 |
| 971 | 27659 | Laboratory Testing Inc. | Testing and Evaluation of Material Properties in Extreme Environ | 10/29/2018 | 10/29/2021 | Reimbursable | | MSFC | SAA8-1827658.1 |

| 972 | 27658 | Laboratory Testing Inc. | Testing and Evaluation of Material Properties in Extreme Environ | 10/29/2018 | 10/29/2021 | Reimbursable | - MSFC | SAA8-1827658 |
|-----|-------|---|--|------------|------------|--------------------------|--------|----------------|
| 973 | 27597 | BLUE ORIGIN, LLC | Annex 4 to Exchange of Technical Expertise for commercial space | 10/29/2018 | 10/29/2020 | Reimbursable | - MSFC | SAA8-1725986.4 |
| 974 | 27541 | SIERRA NEVADA CORP | Design and manufacturing review for rocket engine components | 6/11/2020 | 6/11/2022 | Reimbursable | - MSFC | SAA8-2027540.1 |
| 975 | 27540 | SIERRA NEVADA CORPORATION | Rocket Engine Development and Test | 6/11/2020 | 6/11/2025 | Reimbursable | - MSFC | SAA8-2027540 |
| 976 | 27478 | Northeast Arkansas Career and Technical Center | Northeast Arkansas Career and Technical Center / High Schools United with NASA to Create Hardware (HUNCH) Program. | 2/27/2018 | 2/27/2023 | Non-Reimbursable \$70,47 | MSFC | SAA8-1827478 |
| 977 | 27307 | Raytheon Missile Systems | Raytheon Wind Tunnel Testing | 2/21/2018 | 6/16/2022 | Reimbursable | - MSFC | SAA8-1725553.2 |

| 978 | 27244 | United Launch Alliance | ULA Vulcan Upper Stage Test | 2/21/2018 | 2/21/2021 | Reimbursable | MSFC | SAA8-1726580.3 |
|-----|-------|------------------------|---|-----------|-----------|---------------------------|------|----------------|
| 979 | 27194 | Cimarron Composites | Cimarron Composites for Developing Advanced Technology For | 3/14/2018 | 3/14/2023 | Reimbursable | MSFC | SAA8-1827194 |
| 980 | 26940 | LOCKHEED MARTIN | Lockheed Martin Corporation Commercial | 2/1/2018 | 9/30/2022 | Reimbursable | MSFC | SAA8-1826940 |
| 981 | 26915 | UNITED LAUNCH ALLIANCE | Aeroscience analysis of Vulcan vehicle operations | 1/4/2018 | 1/4/2023 | Reimbursable | MSFC | SAA8-1726915 |
| 982 | 26805 | DECATUR CITY SCHOOLS | Wide-field Meteor Network Station at Ben Davis Magnet Elementary School | 1/19/2018 | 1/19/2023 | Non-Reimbursable \$11,295 | MSFC | SAA8-1726805 |
| 983 | 26656 | AUBURN UNIVERSITY | SPACE EXPLORATION TECHNOLOGY DEVELOPMENT | 11/8/2017 | 11/8/2022 | Non-Reimbursable \$0 | MSFC | SAA8-1726656 |

| 984 | 26604 | Garland Independent School District | Annex 1 to High Schools United with NASA to Create Hardware (HUNCH) Collaboration - Garland Independent School District | 11/27/2017 | 11/27/2022 | Non-Reimbursable \$64,7 | 66 MSFC | SAA8-1726603.1 |
|-----|-------|--|---|------------|------------|-------------------------|---------|----------------|
| 985 | 26603 | Garland Independent School District | High Schools United with NASA to Create Hardware (HUNCH) Collaboration - Garland Independent School District | 11/27/2017 | 11/27/2022 | Non-Reimbursable | 60 MSFC | SAA8-1726603 |
| 986 | 26580 | United Launch Alliance | Launch Vehicle Manufacturing and Test Support | 10/31/2017 | 10/31/2022 | Reimbursable | MSFC | SAA8-1726580 |
| 987 | 26149 | Morgan County Schools | annex to High Schools United with NASA to Create Hardware (HUNCH) Collaboration - Morgan County Schools | 8/9/2017 | 8/9/2022 | Non-Reimbursable \$61,0 | 55 MSFC | SAA8-1726148.1 |
| 988 | 26148 | Morgan County Schools | High Schools United with NASA to Create Hardware (HUNCH) Collaboration - Morgan County Schools | 8/9/2017 | 8/9/2022 | Non-Reimbursable | 60 MSFC | SAA8-1726148 |
| 989 | 26082 | Orbital Sciences Corporation, a wholly owned | d cCryogenically - Fueled Upper Stage Technologies | 3/2/2018 | 3/2/2023 | Reimbursable | MSFC | SAA8-1726082 |

| 990 26057 | Mt. Pleasant High Schools | Mt. Pleasant High School - Tennessee / High Schools United with NASA to Create Hardware (HUNCH) Program. | 7/25/2017 | 7/25/2022 | Non-Reimbursable | \$61,065 MSFC | SAA8-1726057 |
|-----------|---------------------------|--|---------------|------------|------------------|---------------|----------------|
| 991 26018 | Alabama A&M University | Collaborative Agreement for Synergistic Technologies with Alabama A&M University | 7/19/2017 | 7/19/2022 | Non-Reimbursable | \$0 MSFC | SAA8-1726018 |
| 992 25986 | BLUE ORIGIN, LLC | Exchange of Technical Expertise for commercial space transpo | rta 8/30/2017 | 8/30/2022 | Reimbursable | MSFC | SAA8-1725986 |
| 993 25911 | AEROJET ROCKETDYNE, INC | Annex 1 under SAA8-1725910 for Integration Support | 10/3/2017 | 12/31/2021 | Reimbursable | MSFC | SAA8-1725910.1 |
| 994 25910 | AEROJET ROCKETDYNE, INC | Space Systems Technology Development and Demonstration | 9/29/2017 | 9/29/2022 | Reimbursable | MSFC | SAA8-1725910 |
| 995 25627 | Vivace Corporation | Vivace Corporation | 7/1/2017 | 6/30/2021 | Reimbursable | MSFC | SAA8-1725627 |

| 996 25569 | Orbital Telemetry, Inc | Telemetry Licensed Test and Modification Activities | 7/31/2017 | 7/31/2022 | Reimbursable | MSFC | SAA8-1725569 |
|------------|--------------------------|--|-------------|-----------|------------------|---------------|--------------|
| 997 25553 | Raytheon Missile Systems | Raytheon Wind Tunnel Testing | 6/16/2017 | 6/16/2022 | Reimbursable | MSFC | SAA8-1725553 |
| 998 25438 | Raytheon Missile Systems | Engineering Collaboration | 6/28/2017 | 6/28/2022 | Reimbursable | MSFC | SAA8-1725438 |
| 999 25325 | United Technologies Corp | NASA MSFC requests Loan of Flight Qual Unit - CO2 Compressor and Controller | 3/1/2018 | 3/1/2023 | Non-Reimbursable | \$125 MSFC | SAA8-1725325 |
| 1000 25209 | Virgin Orbit, LLC | Exchange of Technical Expertise for commercial space transpor | ta 6/9/2017 | 6/9/2022 | Reimbursable | MSFC | SAA8-1725209 |
| 1001 25202 | Dodge County School | Dodge County School - Georgia / High Schools United with NASA to Create Hardware (HUNCH) Program | 4/11/2017 | 4/11/2022 | Non-Reimbursable | \$61,065 MSFC | SAA8-1725202 |

| 1002 25201 | Decatur City Schools | Annex 2 to Decatur City Schools HUNCH umbrella - Decatur / High Schools United with NASA to Create Hardware (HUNCH) Program | 3/24/2017 | 1/15/2021 | Non-Reimbursable | \$61,065 MSFC | SAA8-1521292.2 |
|------------|--|---|-----------|-----------|------------------|---------------|----------------|
| 1003 25200 | Jonesboro High School | Jonesboro High School - Arkansas / High Schools United with NASA to Create Hardware (HUNCH) Program | 4/11/2017 | 4/11/2022 | Non-Reimbursable | \$50,610 MSFC | SAA8-1725200 |
| 1004 25199 | Charles Henderson High School | Charles Henderson High School Troy, Alabama / High Schools United with NASA to Create Hardware (HUNCH) Program | 4/24/2017 | 4/24/2022 | Non-Reimbursable | \$61,065 MSFC | SAA8-1725199 |
| 1005 25198 | Alan Thornton Career Technical Center | Alan Thornton Career Technical Center Alabama / High Schools United with NASA to Create Hardware (HUNCH) Program | 3/24/2017 | 3/24/2022 | Non-Reimbursable | \$61,065 MSFC | SAA8-1725198 |
| 1006 25152 | University of Central Florida | Fireball Network Station at UCF | 7/31/2017 | 7/31/2022 | Non-Reimbursable | \$2,555 MSFC | SAA8-1725152 |
| 1007 25118 | Walker County School District by and through the Walker County Board of Education | Fireball Network Station at Smith Planetarium | 4/28/2017 | 4/28/2022 | Non-Reimbursable | \$1,420 MSFC | SAA8-1725118 |

| 1008 | 25117 | Association of Universities for Research in Astronomy | Fireball Network Station at KPNO | 3/30/2017 | 3/30/2022 | Non-Reimbursable | \$2,045 | MSFC | SAA8-1725117 |
|------|-------|---|--|-------------|-----------|------------------|----------|------|--------------|
| 1009 | 25108 | Oak Ridge Board of Education | Oak Ridge Board of Education for Robertsville Middle School - NASA-UNIQUE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) ENGAGEMENT ACTIVITIES FOR STUDENTS | 7/20/2017 | 7/20/2022 | Non-Reimbursable | \$44,516 | MSFC | SAA8-1725108 |
| 1010 | 25059 | Embry-Riddle Aeronautical University | Fireball Network Station at ERAU | 7/31/2017 | 7/31/2022 | Non-Reimbursable | \$2,420 | MSFC | SAA8-1725059 |
| 1011 | 24979 | Magnet Cove High School | Magnet Cove High School Arkansas / High Schools United with NASA to Create Hardware (HUNCH) Program | 5/1/2017 | 5/1/2022 | Non-Reimbursable | \$61,065 | MSFC | SAA8-1724979 |
| 1012 | 24760 | The Boeing Company | Aerospace Hardware Testing, Evaluatioin, and related engineering | n 3/22/2017 | 3/22/2022 | Reimbursable | | MSFC | SAA8-1724760 |
| 1013 | 24581 | Blue Origin, LLC | Blue Origin, LLC Use of the National Center for Advanced Manuf | a1/13/2017 | 9/30/2021 | Reimbursable | | MSFC | SAA8-1724581 |

| 1014 | 24271 | LAWRENCE LIVERMORE NATIONAL SECU | FAnnex 1 under SAA8-1724270 for Development of High Resolution | 7/25/2017 | 12/31/2021 | Reimbursable | - MSFC | SAA8-1724270.1 |
|------|-------|---|--|------------|------------|--------------------------|--------|----------------|
| 1015 | 24270 | Lawrence Livermore National Security, LLC | High Resolution X-Ray Optics Support | 7/25/2017 | 7/25/2022 | Reimbursable | - MSFC | SAA8-1724270 |
| 1016 | 24245 | The Museum of Flight | F-1 Engine Loan for Apollo 12 Exhibit | 1/13/2017 | 1/13/2021 | Reimbursable | - MSFC | SAA8-1624245 |
| 1017 | 23999 | Florida Turbine Technologies, Inc. | Propulsion System Elements Development and Analysis | 10/20/2016 | 10/20/2021 | Reimbursable | - MSFC | SAA8-1623999 |
| 1018 | 23799 | Arizona Board of Regents, On Behalf of University of Arizona | Fireball Network Station at MMTO | 10/27/2016 | 10/27/2021 | Non-Reimbursable \$2,045 | MSFC | SAA8-1623799 |
| 1019 | 23798 | Arizona Board of Regents on behalf of The University of Arizona | Fireball Network Station at MLO | 10/27/2016 | 10/27/2021 | Non-Reimbursable \$2,045 | MSFC | SAA8-1623798 |

| 1020 | 23444 | Auburn University | COLLABORATIVE AGREEMENT FOR SYNERGISTIC TECHNOLOGIES | 10/21/2016 | 10/21/2021 | Non-Reimbursable | \$0 | MSFC | SAA8-1623444 |
|------|-------|--|---|------------|------------|------------------------|-------|------|--------------|
| 1021 | 22999 | Teledyne Brown Engineering, Inc. Space Sys | teLaunch Vehicle Stage Adapter Manufacturing Support | 8/2/2016 | 8/1/2021 | Reimbursable | | MSFC | SAA8-1622999 |
| 1022 | 22752 | Marshall Child Development Center Inc. | Marshall Child Development Center | 7/14/2016 | 7/14/2021 | Non-Reimbursable \$8 | 9,115 | MSFC | SAA8-1622752 |
| 1023 | 22716 | New Mexico State University | Fireball Network Station | 7/14/2016 | 7/14/2021 | Non-Reimbursable | 1,495 | MSFC | SAA8-1622716 |
| 1024 | 22603 | UP Aerospace | Nanosatellite and Suborbital Reusable Launch System Development | 5/31/2016 | 5/31/2021 | Non-Reimbursable \$1,0 | 0,000 | MSFC | SAA8-1622603 |
| 1025 | 22487 | Blade Dynamics, LLP | Blade Dynamics, LLP Occupancy and Demand Services | 8/31/2016 | 8/31/2021 | Reimbursable | | MSFC | SAA8-1622487 |

| 1026 | 21965 | Arctic Slope Technical Services, Inc. | Launch vehicle propulsion technology development | 4/25/2016 | 4/25/2021 | Reimbursable | - MSFC | SAA8-1521965 |
|------|-------|---|--|------------|------------|--------------------------|--------|----------------|
| 1027 | 21657 | Lawrence Livermore National Security, LLC | HIGH RESOLUTION FOCUSING OPTICS FOR ADVANCED PL | 4/14/2016 | 4/14/2021 | Reimbursable | - MSFC | SAA8-1521657 |
| 1028 | 21631 | Tellus Science Museum | Fireball Network Station | 12/21/2015 | 12/21/2020 | Non-Reimbursable \$2,05 | 3 MSFC | SAA8-1521631 |
| 1029 | 21591 | Limestone County Schools | Limestone County Career Technical Center annex 1 - Limestone County Schools / High Schools United with NASA to Create Hardware (HUNCH) Program | 2/3/2017 | 2/3/2022 | Non-Reimbursable \$27,77 | 7 MSFC | SAA8-1521590.1 |
| 1030 | 21590 | Limestone County Schools | Limestone County Schools / High Schools United with NASA to Create Hardware (HUNCH) Program umbrella | 2/3/2017 | 2/3/2022 | Non-Reimbursable \$ | 0 MSFC | SAA8-1521590 |
| 1031 | 21529 | Laurell High School | Laurell High School - Montana / High Schools United with NASA to Create Hardware (HUNCH) Program | 11/13/2015 | 11/13/2020 | Non-Reimbursable \$27,77 | 7 MSFC | SAA8-1521529 |

| 1032 21524 | Breckinridge County Area Technology Center | Breckenridge County Area Technology Center - Kentucky / High Schools United with NASA to Create Hardware (HUNCH) Program | 2/29/2016 | 2/28/2021 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521524 |
|------------|--|--|------------|------------|------------------|----------------|----------------|
| 1033 21522 | Lincoln County High School | Lincoln County High School - Tennessee / High Schools United with NASA to Create Hardware (HUNCH) Program | 11/19/2015 | 11/19/2020 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521522 |
| 1034 21435 | Hazel Green High School | annex2 Hazel Green High School - Madison County Schools / High Schools United with NASA to Create Hardware (HUNCH) Program | 1/13/2016 | 1/13/2021 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521294.2 |
| 1035 21380 | METHUSELAH FOUNDATION | Centennial Challenges for The Tissue Engineering Challenge | 2/17/2016 | 4/30/2021 | Non-Reimbursable | \$681,615 MSFC | SAA8-1521380 |
| 1036 21356 | Gulfport High School - Mississippi | Gulfport High School - Mississippi / High Schools United with NASA to Create Hardware (HUNCH) Program | 11/16/2015 | 11/16/2020 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521356 |
| 1037 21355 | East Central High School - Mississippi | East Central High School - Mississippi / High Schools United with NASA to Create Hardware (HUNCH) Program | 6/2/2016 | 6/2/2021 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521355 |

| 1038 21348 | Hancock County Career Technical Center | Hancock County Career Technical Center - Mississippi / High Schools United with NASA to Create Hardware (HUNCH) Program | 4/18/2016 | 4/18/2021 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521348 |
|------------|--|---|-----------|-----------|------------------|---------------|----------------|
| 1039 21298 | Madison City Schools | Annex 2 James Clemens HIgh School - Madison City Schools / High Schools United with NASA to Create Hardware (HUNCH) Program | 2/29/2016 | 2/28/2021 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521296.2 |
| 1040 21297 | Madison City Schools | Annex 1 Bob Jones High School - Madison City School (HUNCH) High Schools United with NASA to Create Hardware program | 2/29/2016 | 2/28/2021 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521296.1 |
| 1041 21296 | Madison City Schools | Madison City Schools HUNCH umbrella / High Schools United with NASA to Create Hardware (HUNCH) Program | 2/29/2016 | 2/28/2021 | Non-Reimbursable | \$0 MSFC | SAA8-1521296 |
| 1042 21295 | Madison County Schools | annex1 Sparkman High School - Madison County Schools / High Schools United with NASA to Create Hardware (HUNCH) Program | 1/13/2016 | 1/13/2021 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521294.1 |
| 1043 21294 | Madison County Schools | Madison County Schools HUNCH umbrella / High Schools United with NASA to Create Hardware (HUNCH) Program | 1/13/2016 | 1/13/2021 | Non-Reimbursable | \$0 MSFC | SAA8-1521294 |

| 1044 21293 | Decatur City Schools | annex 1 Austin High School - Decatur City Schools / High Schools United with NASA to Create Hardware (HUNCH) Program | 1/15/2016 | 1/15/2021 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521292.1 |
|------------|-------------------------------|--|-----------|-----------|------------------|---------------|----------------|
| 1045 21292 | Decatur City Schools | Decatur City Schools HUNCH umbrella / High Schools United with NASA to Create Hardware (HUNCH) Program | 1/15/2016 | 1/15/2021 | Non-Reimbursable | \$0 MSFC | SAA8-1521292 |
| 1046 21290 | Hewitt-Trussville High School | Hewitt-Trussville High School / High Schools United with NASA to Create Hardware (HUNCH) Program | 1/13/2016 | 1/13/2021 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521290 |
| 1047 21289 | Lusher Charter High School | Lusher Charter High School / High Schools United with NASA to Create Hardware (HUNCH) Program | 6/2/2016 | 6/2/2021 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521289 |
| 1048 21288 | McGavock High School | McGavock High School - Tennessee / High Schools United with NASA to Create Hardware (HUNCH) Program | 11/2/2015 | 11/2/2020 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521288 |
| 1049 21276 | Jackson County Schools | Earnest Pruett Center of Technology annex 1 - Jackson County School / High Schools United with NASA to Create Hardware (HUNCH) Program | 12/5/2015 | 12/5/2020 | Non-Reimbursable | \$27,777 MSFC | SAA8-1521275.1 |

| 1050 | 21275 | Jackson County Schools | Jackson County School Hunch Umbrella / High Schools United with NASA to Create Hardware (HUNCH) Program | 12/5/2015 | 12/5/2020 | Non-Reimbursable \$0 | MSFC | SAA8-1521275 |
|------|-------|-------------------------------|---|-------------|------------|---------------------------|--------|----------------|
| 1051 | 21246 | Lockheed Martin Corporation | Lockheed Martin Corporation Annex 4 | 10/1/2015 | 9/30/2021 | Reimbursable | - MSFC | SAA8-1620107.4 |
| 1052 | 21066 | South Dakota State University | Synergistic Technologies Support | 3/28/2016 | 3/28/2021 | Non-Reimbursable \$0 | MSFC | SAA8-1521066 |
| 1053 | 21057 | Lockheed Martin Corporation | annex to Lockheed Martin Corporation Orion Project | 10/1/2015 | 9/30/2021 | Reimbursable | - MSFC | SAA8-1620107.1 |
| 1054 | 21051 | Beau Chene High School | Beau Chene High School - Louisiana / High Schools United with NASA to Create Hardware (HUNCH) Program | 1/16/2016 | 1/16/2021 | Non-Reimbursable \$27,777 | MSFC | SAA8-1521051 |
| 1055 | 20961 | BK Manufacturing, Inc. | BK Manufacturing, Inc. for facility space and standard institutiona | l 9/15/2015 | 12/31/2020 | Reimbursable | - MSFC | SAA8-1620961 |

| 1056 | 20906 | Lockheed Martin Corporation | Lockheed Martin Corporation Annex 3 for support services | 10/1/2015 | 9/30/2021 | Reimbursable | MSFC | SAA8-1620107.3 |
|------|-------|---------------------------------------|--|------------|------------|----------------------|------|----------------|
| 1057 | 20901 | Lockheed Martin Corporation | Lockheed Martin Corporation Annex 2 for support services Orion | 10/1/2015 | 9/30/2021 | Reimbursable | MSFC | SAA8-1620107.2 |
| 1058 | 20107 | Lockheed Martin Corporation | Lockheed Martin Corporation Orion Project | 10/1/2015 | 9/30/2021 | Reimbursable | MSFC | SAA8-1620107 |
| 1059 | 19465 | Ochsner Clinic Foundation | Ochsner Clinic Foundation providing on-site medical services | 11/1/2016 | 11/1/2021 | Reimbursable | MSFC | SAA8-1619465 |
| 1060 | 19375 | United Technologies Aerospace Systems | Environmental Control and Life Support Technology Development | 12/21/2015 | 12/21/2020 | Non-Reimbursable \$0 | MSFC | SAA8-1519375 |
| 1061 | 19253 | U.S Space and Rocket Center | SHARED EXHIBIT EFFORTS | 6/23/2016 | 6/23/2021 | Reimbursable | MSFC | SAA8-1519253 |

| 1062 | 16330 | Textron Marine and Land Systems | Textron Marine and Land Systems for facility space and demand | 1/15/2014 | 12/31/2020 | Reimbursable | MSFC | SAA8-1416330 |
|------|-------|------------------------------------|--|------------|------------|---------------------------|-------|----------------|
| 1063 | 4165 | Department of Economic Development | Cooperative Endeavor Agreement University of New Orleans Res | 12/18/2007 | 12/18/2037 | Non-Reimbursable | MSFC | SAA8-074165 |
| 1064 | 32719 | AEROJET ROCKETDYNE, INC | Annex Twelve to Reimbursable Space Act Umbrella to provide su | 7/2/2020 | 3/22/2021 | Reimbursable | SSC | SSAA-1053-0177 |
| 1065 | 32234 | INFINITY SCIENCE CENTER, INC | Annex Three to Non-Reimbursable Space Act Umbrella Agreement Infinity Science Center, Inc. for Framework on a Regional Partnership | 7/7/2020 | 7/7/2025 | Non-Reimbursable \$37,45 | 0 SSC | SSAA-1053-0173 |
| 1066 | 32233 | INFINITY SCIENCE CENTER, INC | Annex Two to Non-Reimbursable Space Act Umbrella Agreement Infinity Science Center, Inc. for Framework on a Regional Partnership | 7/7/2020 | 7/7/2025 | Non-Reimbursable \$595,71 | 1 SSC | SSAA-1053-0172 |
| 1067 | 32196 | Launcher Space | Launcher Space Special Test Equipment Design | 3/31/2020 | 3/31/2021 | Non-Reimbursable \$44,69 | 8 SSC | SSAA-1053-0176 |

| 1068 | 32181 | INFINITY SCIENCE CENTER, INC | Annex One to Nonreimbursable Space Act Umbrella Agreement Between Infinity Science Center for Framework on a Regional Partnership | | 7/7/2025 | Non-Reimbursable \$3 | 94,746 | SSC | SSAA-1053-0171 |
|------|-------|-------------------------------|---|-----------|-----------|----------------------|--------|-----|----------------|
| 1069 | 32180 | Infinity Science Center, Inc. | Non-Reimbursable Space Act Umbrella Agreement Infinity Science Center, Inc. for Framework on a Regional Partnership | 7/7/2020 | 7/7/2025 | Non-Reimbursable | \$0 | SSC | SSAA-1053-0170 |
| 1070 | 32137 | Launcher Space | Annex One Propulsion Test Support to Launcher Space | 3/31/2020 | 3/31/2025 | Reimbursable | | SSC | SSAA-1053-0175 |
| 1071 | 32136 | Launcher Space | Propulsion Test Support to Launcher Space | 3/31/2020 | 3/31/2025 | Reimbursable | | SSC | SSAA-1053-0174 |
| 1072 | 31208 | University of New Orleans | ME-1H Rocket Testing Support | 12/6/2019 | 12/6/2020 | Non-Reimbursable \$ | 15,736 | ssc | SSAA-1051-0084 |
| 1073 | 31148 | MISSISSIPPI STATE UNIVERSITY | Annex One for Use of Restricted Airspace at John C. Stennis Spa | 1/14/2020 | 1/14/2021 | Reimbursable | | SSC | SSAA-1051-0082 |

| 1074 | 31147 | MISSISSIPPI STATE UNIVERSITY | Umbrella Agreement for Restricted Airspace at John C. Stennis S | 1/14/2020 | 1/14/2025 | Reimbursable | - SSC | SSAA-1051-0081 |
|------|-------|--------------------------------|---|-----------|-----------|--------------|-------|----------------|
| 1075 | 30466 | RELATIVITY SPACE, INC | Host Tenant Agreement Between National Aeronautics and Spac | 5/28/2019 | 5/28/2028 | Reimbursable | - SSC | SSAA-1053-0165 |
| 1076 | 30455 | BLUE ORIGIN, LLC | Annex Three to Blue Origin Umbrella Rocket Propulsion Testing a | 9/17/2019 | 9/17/2021 | Reimbursable | - SSC | SSAA-1053-0167 |
| 1077 | 30053 | Interstellar Technologies, LLC | Annex One Between The National Aeronautics and Space Admin | 5/6/2019 | 5/6/2024 | Reimbursable | - SSC | SSAA-10530163 |
| 1078 | 30052 | Interstellar Technologies, LLC | Propulsion Engineering and Testing Support | 5/6/2019 | 5/6/2024 | Reimbursable | - SSC | SSAA-10530162 |
| 1079 | 29966 | Relativity Space Incorporated | Reimbursable Space Act Agreement Relativity Space, Inc. for Oc | 5/28/2019 | 5/28/2028 | Reimbursable | - SSC | SSAA-1053-0164 |

| 1080 | 29056 | Aerojet Rocketdyne of DE, Inc. | Annex Eleven to Reimbursable Space Act Umbrella to provide te | 9/14/2018 | 3/22/2021 | Reimbursable | SSC | SSAA-1053-0156 |
|------|-------|---|---|-------------|-----------|--------------|-----|----------------|
| 1081 | 28381 | State of Mississippi Technology Transfer Offi | ceUse Permit Between National Aeronautics and Space Aministrati | d6/12/2018 | 4/19/2023 | Reimbursable | SSC | SSAA-1051-0079 |
| 1082 | 28380 | STATE OF MISSISSIPPI Technology Transfo | er Host Tenant Agreement Between the National Aeronautics and S | 6 6/12/2018 | 4/19/2023 | Reimbursable | SSC | SSAA-1051-0078 |
| 1083 | 28334 | BLUE ORIGIN, LLC | Blue Origin Umbrella Rocket Propulsion Testing and Related Ser | 6/29/2018 | 6/29/2023 | Reimbursable | SSC | SSAA-1053-0154 |
| 1084 | 27897 | STRATOLAUNCH SYSTEMS CORP | Annex Two to Reimbursable Space Act Umbrella Agreement Bet | n 5/11/2018 | 5/11/2022 | Reimbursable | SSC | SSAA-1053-0153 |
| 1085 | 27516 | STATE OF MISSISSIPPI | Use of NASA facilities and services in support of the Mississippi | T 4/9/2018 | 4/19/2023 | Reimbursable | SSC | SSAA-1051-0077 |

| 1086 | 27333 | THE BOEING COMPANY | Reimbursable Space Act Umbrella Agreement Between the Natio | 3/21/2018 | 3/21/2023 | Reimbursable | SSC | SSAA-1053-0149 |
|------|-------|-----------------------------|---|------------|-----------|---------------------------|-----|----------------|
| 1087 | 27181 | AEROJET ROCKETDYNE, INC | Annex Ten to Reimbursable Space Act Umbrella to provide testin | 12/19/2017 | 3/22/2021 | Reimbursable | SSC | SSAA-1053-0146 |
| 1088 | 27180 | AEROJET ROCKETDYNE, INC | Annex Nine to Reimbursable Space Act Umbrella to provide testi | 12/19/2017 | 3/22/2021 | Reimbursable | SSC | SSAA-1053-0145 |
| 1089 | 27179 | AEROJET ROCKETDYNE, INC | Annex Eight to Reimbursable Space Act Umbrella to provide testi | 12/19/2017 | 3/22/2021 | Reimbursable | SSC | SSAA-1053-0144 |
| 1090 | 26997 | Geosyntec Consultants, Inc. | For an environmental remediation demonstration project | 1/30/2018 | 1/30/2021 | Non-Reimbursable \$48,000 | SSC | SSAA-1053-0143 |
| 1091 | 26831 | RELATIVITY SPACE, INC | Annex Two RSI Services and support at SSC | 5/25/2018 | 8/23/2021 | Reimbursable | SSC | SSAA-1053-0152 |

| 1092 26815 | THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY | CONSOLIDATION OF REMEDIATION ACTIVITIES AT THE JOHN C. STENNIS SPACE CENTER | /2018 1/2/2023 | Non-Reimbursable | \$75,000 SSC | SSAA-1051-0073 |
|------------|---|---|-------------------|---------------------|--------------|----------------|
| 1093 26430 | Hancock County Mississippi | For Hancock County EOC Continuity Site 3/1 | 9/2018 3/19/202 | 23 Non-Reimbursable | \$0 SSC | SSAA-1051-0068 |
| 1094 26415 | Infinity Science Center, Inc. | Land Use Permit Between National Aeronautics and Space Admii 9/1 | 0/2007 9/10/203 | Reimbursable | SSC | SSAA-1053-0035 |
| 1095 26275 | STRATOLAUNCH SYSTEMS CORP | Reimbursable Space Act Umbrella Agreement Between The Nation 9/13 | 3/2017 9/13/202 | 22 Reimbursable | SSC | SSAA-1053-0139 |
| 1096 26147 | Aerojet Rocketdyne of DE, Inc. | Support AR hardware and logistic activites related to the XSP pro 3/2. | 2/2016 10/16/20 | 020 Reimbursable | SSC | SSAA-1053-0133 |
| 1097 25760 | The Board of Trustees of Mississippi Institution | The Center of Higher Learning and Related University Activities 11/2 | /29/2017 11/29/20 | 022 Reimbursable | SSC | SSAA-1051-0066 |

| 1098 25252 | Innovative Imaging and Research Corporation | Reimbursable Space Act Agreement Between National Aeronauti 3/16/2017 | 3/6/2022 | Reimbursable | SSC | SSAA-1053-0128 |
|------------|---|--|-----------|------------------|---------|----------------|
| 1099 23377 | Relativity Space, Incorporated | Annex One Relativity Space Aeon 1 Engine Start Test Project 8/23/2016 | 8/23/2021 | Reimbursable | SSC | SSAA-1053-0118 |
| 1100 23376 | Relativity Space, Incorporated | Reimbursable Space Act Umbrella Agreement Relativity Space In 8/23/2016 | 8/23/2021 | Reimbursable | SSC | SSAA-1053-0117 |
| 1101 23222 | Honeywell InternationI Incorporation | Cross-Center Umbrella Agreement to Support NASA Science Technology Engineering and Mathematics (STEM) Education and Outreach | 10/7/2021 | Non-Reimbursable | \$0 SSC | SSAA-1053-0114 |
| 1102 22308 | AEROJET ROCKETDYNE OF DE, INC | Occupancy of Facilities 6/13/2016 | 6/13/2021 | Reimbursable | SSC | SSAA-1053-0112 |
| 1103 21866 | Louisiana Technology Transfer Office | Louisiana Technology Transfer Office for Occupancy of SSC facil 3/17/2016 | 3/17/2021 | Reimbursable | SSC | SSAA-1051-0062 |

| 1104 | 21277 | Aerojet Rocketdyne of DE, Inc. | Reimbursable Space Act Umbrella to provide testing and related | 3/22/2016 | 3/22/2021 | Reimbursable | SSC | SSAA-1053-0107 |
|------|-------|---------------------------------|---|-----------|-----------|-------------------------|-------|-------------------|
| 1105 | 20968 | | Nonreimbursable Space Act Agrement for market analysis methodologies for SSC Developed Technologies | 11/9/2015 | 11/9/2020 | Non-Reimbursable \$43,6 | 8 SSC | SSAA-1051-0060 |
| 1106 | 18253 | Lockheed Martin Corporation | Domestic Reimbursable Space Act Agreement (With Amendmen | 1/30/2001 | 1/30/2051 | Reimbursable | SSC | SSC/PRI-01-002-06 |
| 1107 | 11567 | Infinity Science Center, Inc. | Nonreimbursable Space Act Agreement Between for Operation of | 1/10/2012 | 1/10/2032 | Non-Reimbursable | SSC | SSAA-1053-0044 |
| 1108 | 4864 | MISSISSIPPI STATE UNIVERSITY | Reimbursable Space Act Agreement Between National Aeronauti | 1/22/2009 | 1/22/2024 | Reimbursable | SSC | SSAA-1051-0034 |
| 1109 | 3110 | Rolls-Royce North America, Inc. | Domestic Reimbursable Space Act Agreement Between NASA S | 6/13/2005 | 6/13/2025 | Reimbursable | SSC | SSAA-1053-0015 |

| 1110 | 3094 | Aerojet Rocketdyne of DE, Inc. | Reimbursable Space Act Agreement RS-68 Engine Test Progran | ⁻ 5/18/1998 | 5/16/2023 | Reimbursable | SSC | SSC/PRI-98-005-03 |
|------|-------|---|---|------------------------|------------|-----------------------------|-------|---------------------|
| 1111 | 2566 | Aerojet Rocketdyne of DE, Inc. | Operation of E-6 Government-Owned Engine Test Facility in Flor | i 6/29/2007 | 6/16/2022 | Non-Reimbursable | SSC | SSAA-1053-0033 |
| 1112 | 32318 | Blue Ridge Research and Consulting, LLC | Improving Rocket Launch Acoustic Models and Interpreting Raw Acoustical Data | 5/1/2020 | 4/30/2025 | Non-Reimbursable \$12,29 | 0 WFF | GSFC-20-32318 |
| 1113 | 32248 | Sagrad, Inc. | Range Certification Support of NASA Autonomous Flight Terminations Systems | 4/29/2020 | 4/29/2022 | Non-Reimbursable \$1,150,00 | 0 WFF | GSFC-20-32248 |
| 1114 | 30338 | GULFSTREAM AEROSPACE CORP | annex to Water Ingestion Testing | 4/13/2020 | 4/13/2022 | Reimbursable | WFF | GSFC-17-25048 Annex |
| 1115 | 28618 | Vector Launch, Inc. | Flight Safety Analysis for Launch Vehicle | 11/13/2018 | 11/13/2021 | Reimbursable | WFF | GSFC-18-28618 |

| 1116 | 26250 | Virginia Department of Health | Closed Points of Dispensing (POD) Provision of Emergency Medical Prophylaxis | 7/20/2017 | 7/20/2022 | Non-Reimbursable | \$2,000 | WFF |
|------|-------|-------------------------------------|---|------------|------------|---------------------|---------|-------------------|
| 1117 | 25827 | University of Massachusetts, Lowell | Further Development of Technology to Support the CubeSat Arcsecond Pointing System (CAPS) | 10/26/2017 | 10/27/2022 | Non-Reimbursable \$ | 15,000 | WFF GSFC-17-25827 |
| 1118 | 25541 | V A COMMERCIAL SPACE FLIGHT AUTHOR | Operations and Activities for the Unmanned Aerial System Runwa | 1/9/2018 | 1/9/2023 | Reimbursable | | WFF GSFC-17-25541 |
| 1119 | 25526 | VIRGINIA SPACE FLIGHT ACADEMY | Outreach Activities | 6/7/2017 | 6/6/2022 | Non-Reimbursable | \$4,038 | WFF GSFC-17-25526 |
| 1120 | 25089 | Cornell University | CISLUNAR Explorer Orbit Confirmation | 6/7/2017 | 6/7/2021 | Reimbursable | | WFF GSFC-17-25089 |
| 1121 | 25048 | GULFSTREAM AEROSPACE CORP | Water Ingestion Testing | 4/13/2017 | 4/13/2022 | Reimbursable | | WFF GSFC-17-25048 |

| 1122 12103 | CELLCO/Verizon | Enhanced Use Lease Agreement/Cellco-Verizon for Greenbelt | 9/21/2011 | 9/21/2026 | Reimbursable | WFF | |
|------------|---|--|----------------|------------|--------------|------|--------------------|
| 1123 9404 | Accomack County Department of Public Safe | ety Joint Emergency Planning, Response, and Management Activit | ie: 10/20/2011 | 10/13/2021 | Reimbursable | WFF | |
| 1124 3646 | Marine Science Consortium | Marine Science Consortium | 2/13/2006 | 2/16/2022 | Reimbursable | WFF | SAA-GSFC-06-3646 |
| 1125 3219 | Chincoteague Bay Field Station | Wallops Research Park | 5/6/2009 | 5/6/2069 | Reimbursable | WFF | 3219 |
| 1126 32278 | THE BOEING COMPANY | Perform R40b thruster testing, provide test data results and shi | o t 7/15/2020 | 7/15/2022 | Reimbursable | WSTF | SAA-RA-18-28204-02 |
| 1127 32046 | AEROJET ROCKETDYNE, INC | annex to Space Systems Technology Development and Demor | st 3/12/2020 | 3/12/2022 | Reimbursable | WSTF | SAA8-1725910-06 |

| 1128 | 31924 | Barber-Nichols, Inc. | Oxygen Systems Operations and Maintenance Training | 2/5/2020 | 2/5/2021 | Reimbursable | WSTF | SAA-RA-20-31924 |
|------|-------|----------------------------------|--|-----------|-----------|--------------|------|--------------------|
| 1129 | 31615 | Invocon Inc. | Hypervelocity Testing in Support of Invocon Inc. | 2/13/2020 | 2/13/2021 | Reimbursable | WSTF | SAA-RA-20-31615 |
| 1130 | 31581 | Infinite Composites Technologies | Annex for COPV Inspection and Evaluation | 5/5/2020 | 5/5/2025 | Reimbursable | WSTF | SAA-RA-20-31363-02 |
| 1131 | 31520 | Johnson and Johnson | Testing of N2O4 per MIL-PRF-26539G | 2/26/2020 | 2/26/2023 | Reimbursable | WSTF | SAA-RA-20-31520 |
| 1132 | 31364 | Infinite Composites Technologies | NASA-STD-2007-213740 Oxygen Compatibility Assessments / N | 5/5/2020 | 5/5/2025 | Reimbursable | WSTF | SAA-RA-20-31363-01 |
| 1133 | 31363 | Infinite Composites Technologies | WSTF Testing, Analysis, and Technical Expertise (Materials, Flui | 5/5/2020 | 5/5/2025 | Reimbursable | WSTF | SAA-RA-20-31363 |

| 1134 30649 | B/E Aerospace, d.b.a.Collins Aerospace a | a unit NASA-STD-6001 Flammability, Offgassing, Compatibility Testing 3/31/2020 | 3/30/2025 | Reimbursable | WSTF | SAA-RA-20-30648 |
|------------|--|---|------------|--------------|------|--------------------|
| 1135 30648 | B/E Areospace, d.b.a. Collins Aerospace, | a un Collins Aerospace Oxygen and COPV Testing, Analysis and Trair 3/31/2020 | 3/30/2025 | Reimbursable | WSTF | SAA-RA-20-30648 |
| 1136 29610 | AS and D, LLC | NASA's Composite Overwrapped Pressure Vessel (COPV) Dama 2/4/2019 | 2/4/2024 | Reimbursable | WSTF | SAA-RA-19-29610 |
| 1137 28204 | THE BOEING COMPANY | Perform R40b thruster testing and provide test data results. 9/13/2018 | 9/13/2023 | Reimbursable | WSTF | SAA-RA-18-28204 |
| 1138 26448 | WHA INTERNATIONAL, INC | Annex to Testing, Analysis Activities, and Exchange of Technical 9/7/2017 | 3/21/2022 | Reimbursable | WSTF | SAA-RA-17-25227-02 |
| 1139 25685 | SPACE EXPLORATION TECHNOLOGIE | S CC annex to Space Exploration Corp. Testing, Analysis, and Training 7/13/2017 | 10/19/2020 | Reimbursable | WSTF | SAA-RA-15-21217-04 |

| 1140 | 25435 | Blue Origin, LLC | NASA-STD-6001 Flammability, Offgassing, Compatibility Testing | 4/18/2017 | 4/18/2022 | Reimbursable | - WSTF | SAA-RA-17-25434-01 |
|------|-------|-------------------------|--|------------|------------|--------------|--------|--------------------|
| 1141 | 25434 | Blue Origin, LLC | TESTING, ANALYSIS ACTIVITIES, AND EXCHANGE OF TECH | 4/18/2017 | 4/18/2022 | Reimbursable | - WSTF | SAA-RA-17-25434 |
| 1142 | 25228 | WHA International, Inc. | NASA-STD-6001 Flammability, Offgassing, and Compatibility Tes | 3/21/2017 | 3/21/2022 | Reimbursable | - WSTF | SAA-RA-17-25227-01 |
| 1143 | 25227 | WHA International, Inc. | Testing, Analysis Activities, and Exchange of Technical Expertse | 3/21/2017 | 3/21/2022 | Reimbursable | - WSTF | SAA-RA-17-25227 |
| 1144 | 22312 | Honeywell | NASA-STD-6001 Flammability, Offgassing, and Compatibility Red | 10/11/2016 | 10/11/2021 | Reimbursable | - WSTF | SAA-RA-16-22311-01 |
| 1145 | 22311 | Honeywell | Honeywell NASA-STD-6001B, Vacuum Stability Testing and Train | 10/11/2016 | 10/11/2021 | Reimbursable | - WSTF | SAA-RA-16-22311 |

| 1146 22154 | Celanese International Corporation | Celanese Chemical Division Process Enhancement Testing | 11/7/2018 | 11/7/2021 | Reimbursable | WSTF | SAA-RA-18-22154 |
|------------|------------------------------------|---|--------------|------------|------------------|---------------|--------------------|
| 1147 21451 | SPACE EXPLORATION TECHNOLOGIES CO | Annex to Space Exploration Corp. Testing, Analysis, and Training | g 1/7/2016 | 10/19/2020 | Reimbursable | WSTF | SAA-RA-15-21217-02 |
| 1148 21218 | SPACE EXPLORATION TECHNOLOGIES CO | Hypergolic Materials Testing and Support | 10/19/2015 | 10/19/2020 | Reimbursable | WSTF | SAA-RA-15-21217-01 |
| 1149 21217 | SPACE EXPLORATION TECHNOLOGIES CO | Space Exploration Corp. Testing, Analysis, and Training Activities | s 10/19/2015 | 10/19/2020 | Reimbursable | WSTF | SAA-RA-15-21217 |
| 1150 20648 | Blue Origin, LLC | NONREIMBURSABLE SPACE ACT AGREEMENT BETWEEN BLUE ORIGIN, LLC AND NASA FOR THE LOAN OF NASA OWNED PRESSURE VESSELS | 5/8/2017 | 5/8/2022 | Non-Reimbursable | \$17,256 WSTF | SAA-RA-17-20648 |